

# COURSE DESCRIPTIONS

## ACTUARIAL SCIENCES

### 2053 - MATHEMATICS FOR FINANCIAL ANALYSIS

Simple and compound interest, annuities, amortization, sinking funds, bonds, bond duration, depreciation, capital budgeting, probability, mortality tables, life annuities, life insurance, net premiums and expenses. Cannot be taken for credit in any module in Statistics or Actuarial Science.

**Antirequisite(s):** Actuarial Science 2553A/B.

**Prerequisite(s):** Mathematics 0110A/B or Grade 12U Advanced Functions and Introductory Calculus (MCB 4U) or equivalent, and 1.0 course or two 0.5 courses from Applied Mathematics, Calculus, Linear Algebra, or Mathematics. 3 lecture hours. 1.0 course. **Intersession.**

## ANATOMY AND CELL BIOLOGY

### 3309 - MAMMALIAN HISTOLOGY

A detailed study of the cellular and microscopic structure of the various tissues and organ systems of the body, with emphasis on man and other mammals used in medical research. Systems are examined stressing the relations of structure to function.

**Prerequisite(s):** Registration in third or fourth year. Note: This course is recommended for students with a background in introductory biology.

2 lecture hours, 3 laboratory hours. 1.0 course. **Distance.**

### 3319 - SYSTEMIC HUMAN ANATOMY

A description of the structure of the organ-systems of the human body: the nervous system and special senses, musculoskeletal, circulatory, respiratory, digestive, urinary and reproductive systems.

**Antirequisite(s):** Anatomy and Cell Biology 2221.

**Prerequisite(s):** Registration in third or fourth year. A background in introductory biology is recommended.

2 lecture hours, 1 demonstration hour. This is not a laboratory course. 1.0 course. **Distance.**

## ANTHROPOLOGY

### 1025F - INTRODUCTION TO SOCIOCULTURAL ANTHROPOLOGY

An introduction to the basic concepts used in the anthropological study of non-Western social and cultural institutions that focuses on the unity and diversity of human experience. Topics include: kinship, economics, politics, religion, and the present-day conditions of indigenous societies. The ethnography of various peoples is discussed.

**Antirequisite(s):** Anthropology 1020 (formerly Anthropology 1020E).

3 lecture hours. 0.5 course. **Distance.**

### 2272F - ANTHROPOLOGY OF TOURISM

This course examines various aspects of tourism from an anthropological point of view. Topics will include the cultural effects of tourism on both hosts and guests, on the political and economic issues involved in tourism, on the connection between tourism and environmental concerns, and on conflict over local resources.

**Antirequisite(s):** Anthropology 1020 (formerly Anthropology 1020E).

**Prerequisite(s):** At least a 0.5 Essay course in any faculty. 3 lecture hours. 0.5 course. **Distance.**

### 2290F - PLAGUES AND PEOPLES: CULTURES OF HEALTH AND HEALING

An exploration of the social and cultural basis of health, disease, and healing. We will examine patterns of illness and epidemics, social and cultural aspects of risk, the use of ritual in healing, and the politics of health, among other issues, from an ethnographic and historical perspective.

**Prerequisite(s):** Any Arts and Humanities or Social Science 0.5 or 1.0 Essay course.

3 lecture hours. 0.5 course. **Distance.**

### 3325F/G - READINGS IN ANTHROPOLOGY

Individual reading and research of current interest in Anthropology. Students are responsible for making arrangements with an Anthropology faculty member. An application must be completed with approval from the Instructor and the Chair. Applications are available on the Anthropology website.

**Antirequisite(s):** Biology 1001A, 1002B, 1201A, 1202B.

**Prerequisite(s):** Registration in third year in any program. Application required.

Hours to be arranged with Instructor. 0.5 course. **Summer Evening.**

### 4430F/G - SUPERVISED READINGS/RESEARCH IN ANTHROPOLOGY

Individual reading and research of current interest in Anthropology. Students are responsible for making arrangements with an Anthropology faculty member. An application must be completed with approval from the Instructor and the Chair. Applications are available on the Anthropology website.

**Prerequisite(s):** Registration in fourth year in any program with approval from the Instructor and the Department Chair.

Hours to be arranged with Instructor. 0.5 course. **Summer Evening.**

## APPLIED MATHEMATICS

### 1413 - APPLIED MATHEMATICS FOR ENGINEERS I

Limits, continuity, differentiation of functions of one variable with applications, extreme values, integration, the fundamental theorem of calculus, methods and applications of integration to areas, volumes and engineering applications. Sequences and series, convergence, power series. Vector functions, partial differential calculus, gradients, directional derivatives and applications.

**Antirequisite(s):** Calculus 1000A/B, the former Calculus 1100A/B, Calculus 1301A/B, Calculus 1500A/B, Calculus 1501A/B, Mathematics 1225A/B.

**Prerequisite(s):** One or more of Ontario Secondary School MHF4U, MCV4U, or Mathematics 0110A/B.

3 lecture hours, 1 tutorial hour. Applied Mathematics 1413 is a suitable prerequisite for any course which lists Calculus 1000A/B plus Calculus 1501A/B. Restricted to students in the Faculty of Engineering. 1.0 course. **Summer Evening.**

### 2276A - APPLIED MATHEMATICS FOR ELECTRICAL AND MECHANICAL ENGINEERING III

Topics covered include a review of orthogonal expansions of functions and Fourier series and transforms, multiple integration with methods of evaluation in different systems of coordinates, vector fields, line integrals, surface and flux integrals, the Green, Gauss and Stokes theorems with applications.

**Antirequisite(s):** Calculus 2302A/B, Calculus 2303A/B, Calculus 2502A/B, Calculus 2503A/B, Applied Mathematics 2277A/B, the former Applied Mathematics 2411, the former Applied Mathematics 2413, the former Applied Mathematics 2415.

**Prerequisite(s):** Applied Mathematics 2270A/B.

3 lecture hours, 1 tutorial hour. Restricted to students in the Faculty of Engineering. 0.5 course. **Intersession.**

## BIOCHEMISTRY

### 2280A - BIOCHEMISTRY AND MOLECULAR BIOLOGY

An introduction to biochemistry with emphasis on protein structure and function, intermediary metabolism and nucleic acid structure and function.

**Antirequisite(s):** Biochemistry 2288A.

**Prerequisite(s):** Either Biology 1001A or 1201A and either Biology 1002B or 1202B; Chemistry 1301A/B and 1302A/B, or the former Chemistry 1100A/B and 1200B. Integrated Science 1001X can be used as a prerequisite in place of Biology 1002B and Chemistry 1302A/B.

3 lecture hours. Note: It is strongly recommended that a course in organic chemistry be taken previously or

concurrently (e.g. Chemistry 2213A/B or Chemistry 2273A). 0.5 course. **Distance.**

### 4483E - RESEARCH PROJECT AND SEMINAR

The major laboratory course for the Honors Specialization in Biochemistry and Honors Specialization modules combined with Biochemistry. Lectures on laboratory safety, biosafety, use of animals in research, scientific integrity; an independent research project (topic and advisor chosen by consultation between student and faculty); scientific communication (two seminars and a written report).

**Antirequisite(s):** Anatomy and Cell Biology 4480E, Chemical Biology 4500E, Medical Biophysics 4970E, Medical Sciences 4900F/G, Microbiology and Immunology 4970E, Pathology 4980E, Pathology and Toxicology 4980E, the former Biochemistry 4485E.

**Prerequisite(s):** Biochemistry 3380G, Biochemistry 3381A and Biochemistry 3382A, with marks in each of at least 70%. Enrolment is limited, and is available only to students in Year 4 of Honors Specialization modules in Biochemistry, Biochemistry and Cell Biology, Biochemistry and Pathology of Human Disease, Biochemistry and Chemistry, Biochemistry of Infection and Immunity, Computational Biochemistry, and Medical Biophysics and Biochemistry. Students in the Honors Specialization in Biochemistry of Infection and Immunity may substitute one of Microbiology and Immunology 3610F, Microbiology and Immunology 3620G, or the former Microbiology and Immunology 3600G with a minimum mark of 70% in lieu of Biochemistry 3380G as a prerequisite. Students in the Honors Specialization in Computational Biochemistry may substitute Biochemistry 3383F/G with a minimum mark of 70% in lieu of Biochemistry 3380G as a prerequisite.

15 hours per week. Enrolment in this course is limited. 1.0 course. **Summer Day.**

## BIOLOGY

### 1001A - BIOLOGY FOR SCIENCE I

The principles of biology taught using an integrative, question-based approach. Topics include inheritance, evolution and ecology. This course is intended for students registered in the Faculty of Science.

**Antirequisite(s):** Biology 1201A, Biology 1225.

**Prerequisite(s):** Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department. A minimum mark of 80% in Grade 12 U Biology (SB14U) is recommended for students registered in a faculty other than the Faculty of Science.

2 lecture hours, 3 laboratory/tutorial hours. Note: The combination of Biology 1001A and Biology 1002B (with appropriate marks) are the prerequisites for senior Biology courses and admission to modules offered by the Department of Biology and the Basic Medical Science Departments. 0.5 course. **Summer Day.**

### 1002B - BIOLOGY FOR SCIENCE II

The principles of biology taught using an integrative, question-based approach. This course is primarily intended for students enrolled in the Faculty of Science. Topics include enzyme structure/function, membrane structure/function, bioenergetics, photosynthesis, respiration, molecular genetics.

**Antirequisite(s):** Biology 1202B, Biology 1225.

**Prerequisite(s):** Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department. A minimum mark of 80% in Grade 12U Biology (SB14U) is recommended for students registered in a faculty other than the Faculty of Science.

2 lecture hours, 3 laboratory/tutorial hours. Note: The combination of Biology 1001A and Biology 1002B (with appropriate marks) are the prerequisites for senior Biology courses and admission to modules offered by the Department of Biology and the Basic Medical Science departments. 0.5 course. **Summer Day.**

### 1225 - AN INTRODUCTION TO THE BIOLOGY OF ORGANISMS

A study of the whole organism with emphasis on organization, growth, development, integration, reproduction and heredity.

**Antirequisite(s):** Biology 1001A, Biology 1002B, Biology 1201A, Biology 1202B.

3 lecture hours. Biology 1225 is not intended to serve as a prerequisite for other Biology courses and will not fulfill the requirements for entry into the Biology modules. 1.0 course. **Distance.**

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### 2244B - ANALYSIS & INTERPRETATION OF BIOLOGICAL DATA

Measurement, sampling, estimation, and statistical hypothesis testing are considered: theory, intuitive background, and practical relevance will be stressed.

**Antirequisite(s):** Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Psychology 2850A/B, Psychology 2851A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205. Note: Statistical Sciences 1024A/B is not an antirequisite.

**Prerequisite(s):** 1.0 Mathematics course or equivalent numbered 1000 or above.

2 lecture hours, 3 laboratory hours. This half course may be used to meet the statistics requirement in the B.Sc. Biology modules. It may NOT be used in any degree as a 2000-level half course with a laboratory component. 0.5 course. **Summer Evening.**

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### 2290F - SCIENTIFIC METHOD IN BIOLOGY

A laboratory course designed to promote understanding of the scientific method by acquainting students with selected technical and conceptual tools that will enable them to generate, analyze and communicate data from experimental investigations of their own design in the areas of cell biology, population biology and genetics.

**Prerequisite(s):** A minimum mark of 60% in either Biology 1001A or Biology 1201A and a minimum mark of 60% in either Biology 1002B or Biology 1202B or Integrated Science 1001X. 6 laboratory hours. Mandatory course in most modules offered by the Department of Biology. 0.5 course. **Intersession.**

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### 2382A - CELL BIOLOGY

Molecular and structural organization of cells in relation to function. Composition and dynamics of the plasma membrane and membrane-bound compartments in cells. Synthesis and trafficking of proteins. Cytoskeleton and cell motility. Membrane receptors in signal and energy transduction, cell-cell adhesion and recognition. Excitable membranes.

**Prerequisite(s):** Either Biology 1001A or Biology 1201A and either Biology 1002B or Biology 1202B; Chemistry 1301A/B and Chemistry 1302A/B or the former Chemistry 1100A/B and the former Chemistry 1200B. Integrated Science 1001X with a minimum mark of 60% can be used as a prerequisite in place of Biology 1002B and Chemistry 1302A/B.

2 lecture hours, 1 lecture/tutorial hour. Mandatory course in most modules offered by the Department of Biology. 0.5 course. **Distance.**

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### 2483B - ECOLOGY

An introduction to ecology, the scientific study of the interactions that determine the distribution and abundance of plants, animals, and microorganisms. Ecological concepts at the organism, population and ecosystem levels will be considered, including tolerance limits, life history evolution, competition, predation, population growth and control, and ecosystem dynamics.

**Prerequisite(s):** A minimum mark of 60% in either Biology 1001A or Biology 1201A and a minimum mark of 60% in either Biology 1002B or Biology 1202B or Integrated Science 1001X. 0.5 course. **Distance.**

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### 3218F - BIOLOGY OF THE FUNGI

This course provides an introduction to the fungi with emphasis on their biology, ecology, genetics and interactions with other organisms, including humans and their crops. Emphasis is on the true fungi, including yeasts, with brief treatment of other fungus-like microbes of the Kingdoms Chromalveolata and Amoebozoa.

**Prerequisite(s):** At least 1.0 course in Biology at the 2200-level or higher.

2 lecture hours, 3 laboratory/tutorial hours. 0.5 course. **Intersession.**

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### 3220Z - FIELD STUDIES IN BIOLOGY

Specialized field courses given by biologists from Ontario universities at various times during the year. Students should be prepared to meet travel and living expenses.

**Prerequisite(s):** Permission of the Department of Biology. See the departmental office in January of each year for list of offerings, requirements, and credits. This course may be used as a half laboratory course.

Sessions and hours by arrangement. 0.5 course. **Summer Day.**

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### 4257Z - FIELD STUDIES IN BIOLOGY

Specialized field courses given by biologists from Ontario universities at various times during the year. Students should be prepared to meet travel and living expenses.

**Prerequisite(s):** Permission of the Department. See the Department of Biology office in January each year for list of offerings, requirements, and credits. This may be used as a half laboratory course.

Sessions and hours by arrangement. 0.5 course. **Summer Day.**

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### 4258Z - FIELD STUDIES IN BIOLOGY

Specialized field courses given by biologists from Ontario universities at various times during the year. Students should be prepared to meet travel and living expenses.

**Prerequisite(s):** Permission of the Department. See the Department of Biology office in January each year for list of offerings, requirements, and credits. This may be used as a half laboratory course.

Sessions and hours by arrangement. 0.5 course. **Summer Day.**

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## BUSINESS ADMINISTRATION

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### 1220E - INTRODUCTION TO BUSINESS

Business Administration 1220E, offered by the Ivey Business School, gives students from all faculties the opportunity to learn business fundamentals in finance, marketing, operations, organizational behavior and general management. The course is delivered using Ivey's renowned case method, which challenges students to learn by doing, within an active class environment of no more than 85 students. Students explore real business issues, make management decisions, defend their position, and take action. This course will be particularly appealing to those students who want a glimpse of Ivey's unique learning experience.

**Antirequisite(s):** Business Administration 1299E, Business Administration 2295F/G, Business Administration 2299E, the former Business Administration 1220, the former Business Administration 2299.

3 lecture hours. 1.0 course. **Summer Evening. Intersession.**

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### 2257 - ACCOUNTING & BUSINESS ANALYSIS

Prerequisite for entry to Honors Business Administration. Course Divisions: (1) Financial Accounting - development of financial statements, and the assessment of their uses and limitations. (2) Business Analysis and Management Accounting - using case studies with an emphasis on smaller businesses, students learn various quantitative decision-making tools highlighted by an entrepreneurial feasibility study.

**Prerequisite(s):** Five courses at University level.

3 lecture hours. 1.0 course. **Summer Evening. Intersession.**

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## CALCULUS

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### 1000A - CALCULUS I

Review of limits and derivatives of exponential, logarithmic and rational functions. Trigonometric functions and their inverses. The derivatives of the trig functions and their inverses. L'Hospital's rules. The definite integral. Fundamental theorem of Calculus. Simple substitution. Applications including areas of regions and volumes of solids of revolution.

**Antirequisite(s):** Calculus 1500A/B, the former Calculus 1100A/B, Applied Mathematics 1413.

**Prerequisite(s):** Ontario Secondary School MCV4U or Mathematics 0110A/B.

4 lecture hours. 0.5 course. **Distance. Intersession.**

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### 1301A - CALCULUS II

For students requiring the equivalent of a full course in calculus at a less rigorous level than Calculus 1501A/B. Integration by parts, partial fractions, integral tables, geometric series, harmonic series, Taylor series with applications, arc length of parametric and polar curves, first order linear and separable differential equations with applications.

**Antirequisite(s):** Calculus 1501A/B, Applied Mathematics 1413.

**Prerequisite(s):** A minimum mark of 55% in one of Calculus 1000A/B, Calculus 1500A/B or the former Calculus 1100A/B. 4 lecture hours. 0.5 course. **Summer Day.**

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### 1501A - CALCULUS II FOR MATHEMATICAL AND PHYSICAL SCIENCES

Students who intend to pursue a degree in Actuarial Science, Applied Mathematics, Astronomy, Mathematics, Physics, or Statistics should take this course. Techniques of integration; The Mean Value Theorem and its consequences; series, Taylor series with applications; parametric and polar curves with applications; first order linear and separable differential equations with applications.

**Antirequisite(s):** Calculus 1301A/B, Applied Mathematics 1413.

**Prerequisite(s):** A minimum mark of 60% in one of Calculus 1000A/B, 1500A/B or the former 1100A/B.

4 lecture hours. 0.5 course. **Summer Day.**

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### 2402A - CALCULUS WITH ANALYSIS FOR STATISTICS

Functions of multiple variables and their differential calculus. The gradient and the Hessian. Constrained and unconstrained optimization of scalar-valued functions of many variables: Lagrange multipliers. Multidimensional Taylor series. Integrating scalar-valued functions of several variables: Jacobian transformations. Pointwise and uniform convergence. Power series.

**Antirequisite(s):** Calculus 2302A/B, Calculus 2502A/B.

**Prerequisite(s):** Calculus 1301A/B or Calculus 1501A/B or Applied Mathematics 1413, in each case with a minimum mark of 55%.

3 lecture hours. 0.5 course. **Summer Evening.**

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## CENTRE FOR GLOBAL STUDIES

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### 1022F - INTRODUCTION TO GLOBALIZATION

This course offers an interdisciplinary introduction to the dominant material and cultural trends under the conditions of economic globalization. Key topics are labour in the global economy, the globalization of the capitalist mode of production, transnational resource flows, responses to inequality and resistance.

**Antirequisite(s):** Centre for Global Studies 1000E.

3 lecture hours. 0.5 course. **Intersession.**

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### 1023F - INTRODUCTION TO GLOBAL DEVELOPMENT

This course is an introduction to the interdisciplinary field of international development studies with the focus on investigating the notion of 'poverty'. It will examine the roles of development organizations, states and civil society in addressing globally identified development issues through the negotiation of global development agendas.

**Antirequisite(s):** Centre for Global Studies 1000E, Centre for Global Studies 2001F/G.

3 lecture hours. 0.5 course. **Intersession.**

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## CHEMISTRY

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### 1301A - DISCOVERING CHEMICAL STRUCTURE

An introduction to the foundational principles of chemical structure and properties, emphasizing their relevance to modern science. Topics include: atomic structure, theories of chemical bonding, structure and stereochemistry of organic molecules, and structure of coordination complexes.

**Antirequisite(s):** The former Chemistry 1024A/B, the former Chemistry 1100A/B.

**Prerequisite(s):** Grade 12U Chemistry (SCH4U) or equivalent. 3 lecture hours, 1.5 laboratory hours (3 hours every other week). 0.5 course. **Intersession.**

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### 1302B - DISCOVERING CHEMICAL ENERGETICS

An examination of how the fundamentals of energetics influence chemical processes. Topics include: gases, thermodynamics and thermochemistry, chemical equilibria, solubility, weak acids and bases, electrochemistry, and chemical kinetics.

**Antirequisite(s):** The former Chemistry 1024A/B, the former Chemistry 1200B.

**Prerequisite(s):** Grade 12U Chemistry (SCH4U) or equivalent. Grade 12U Advanced Functions (MHF4U) or Calculus & Vectors (MCV4U), or Mathematics 0110A/B or 0105A/B, is strongly recommended.

3 lecture hours, 1.5 laboratory hours (3 hours every other week). 0.5 course. **Intersession.**

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### 2213A - ORGANIC CHEMISTRY FOR LIFE SCIENCES

An introduction to the basic concepts of structure, stereochemistry and reactions in organic chemistry with an emphasis on its connections to the biological, health or medical sciences.

**Antirequisite(s):** Chemistry 2273A.

**Prerequisite(s):** Chemistry 1301A/B and Chemistry 1302A/B, or the former Chemistry 1100A/B and the former Chemistry 1200B, or the former Chemistry 1050.

3 lecture hours, 1.5 laboratory hours (3 hours every other week).

Note: The combination of Chemistry 2213A/B and Chemistry 2223B provides the equivalent of a full course in Organic Chemistry with a laboratory, which is a prerequisite for some professional programs. 0.5 course. **Intersession.**

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### 2223B - ORGANIC CHEMISTRY OF BIOLOGICAL MOLECULES

An examination of the chemistry of naturally occurring molecules, emphasizing organic compounds of importance in the Biological and Health Sciences.

**Prerequisite(s):** Chemistry 2213A/B or Chemistry 2283G.

3 lecture/tutorial hours, 1.5 laboratory hours (3 hours every other week).

Intended primarily for students in Biology, and students interested in the Health or Medical Sciences.

Note: The combination of Chemistry 2213A/B and Chemistry 2223B provides the equivalent of a full course in Organic Chemistry with a laboratory, which is a prerequisite for some professional programs. 0.5 course. **Intersession.**

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## CHILDHOOD AND SOCIAL INSTITUTIONS

### 3393A - SPECIAL TOPICS IN CHILDHOOD AND SOCIAL INSTITUTIONS

Topic and course description will be available at time of registration.

**Prerequisite(s):** Childhood and Social Institutions 1025F/G or the former Childhood and Social Institutions 1020.

3 lecture/tutorial hours. 0.5 course. **Intersession.**

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### 3395A - SPECIAL TOPICS IN CHILDHOOD AND SOCIAL INSTITUTIONS

Topic and course description will be available at time of registration.

**Prerequisite(s):** Childhood and Social Institutions 1025F/G or the former Childhood and Social Institutions 1020.

3 lecture/tutorial hours. 0.5 course. **Intersession.**

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## CHINESE

### 2242F - REPRESENTATIVE WORKS IN TRADITIONAL CHINESE LITERATURE

A survey of major works of prose by pre-modern Chinese writers. This course focuses on reading texts and analyzing their textual structure, aesthetic values, and historical contexts. Attention will also be paid to the evolution of the Chinese language from the Classical to the vernacular.

3 hours 0.5 course. **Summer Day.**

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### 2243F - THE CHINESE DIASPORA AND ITS LITERARY REPRESENTATION

A study of Chinese literary works written by Chinese-Canadian writers. This course examines the Chinese diaspora in relation to social constructions of ethnicity, identity, community, gender and sexuality. It also looks into reflections on the relations of the diasporic community, the homeland and the host country.

3 hours 0.5 course. **Summer Day.**

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### 2244G - REPRESENTATIVE WORKS IN MODERN CHINESE LITERATURE

A survey of major works of prose by modern Chinese writers. Selected works will be discussed in relation to the writers' ideas of political involvement, social change, revolution and the function of literature. Events that have shaped modern Chinese history and society will also be examined.

3 hours 0.5 course. **Summer Day.**

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### 2245F - CINEMA IN THE CHINESE MAINLAND

This course examines representative films produced in major historical periods in the Chinese Mainland, with an emphasis on issues of nationalism and national identity, as well as cultural, social, and political changes occurred and are occurring in 20th century and contemporary China.

3 hours 0.5 course. **Intersession.**

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### 2246G - CHINESE CINEMA IN TAIWAN & HONG KONG

This course examines representative films produced in major historical periods in Taiwan and Hong Kong, with an emphasis on issues of nationalism and national identity, as well as cultural, social, and political changes occurred and are occurring in 20th century and contemporary Taiwan and Hong Kong.

3 hours 0.5 course. **Intersession.**

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### 2601A - THE POLITICAL AND SCIO-ECONOMIC FOUNDATIONS OF MODERN CHINA

A survey of the social, political, and economic factors that shape modern China. Taught in English.

**Antirequisite(s):** The former Centre of Global Studies 2202A/B.

3 hours 0.5 course. **Intersession.**

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### 2602B - THE CULTURAL FOUNDATIONS OF MODERN CHINA

A survey of the artistic, philosophical, and religious factors that shape modern China. Taught in English.

**Antirequisite(s):** The former Centre for Global Studies 2203A/B.

3 hours 0.5 course. **Intersession.**

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### 3340A - BUSINESS CHINESE I

This course is intended for students who can read and write Modern Standard Chinese. Students will develop specific knowledge and skills in business communication in Chinese. Business etiquette and protocol will be discussed. Translation and competence in interpretation will be fostered by the study of business terms, documents, and practices.

4 hours 0.5 course. **Intersession.**

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### 3341B - BUSINESS CHINESE 2

This course is intended for students who can read and write Modern Standard Chinese. Students will study business terms, communication styles and formats, and acquire linguistic and cultural knowledge for conducting business in Chinese. Students will develop competence through practical experience in reading and writing market reports and analysing contracts.

4 hours 0.5 course. **Intersession.**

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## COMPUTER SCIENCE

### 1026A - COMPUTER SCIENCE FUNDAMENTALS I

The nature of Computer Science as a discipline; the design and analysis of algorithms and their implementation as modular, reliable, well-documented programs written in a modern programming language. Intended for students with little or no background in programming.

**Antirequisite(s):** Computer Science 1025A/B, Computer Science 2120A/B, Engineering Science 1036A/B, Digital Humanities 2220A/B.

3 lecture hours, 2 laboratory/tutorial hours. 0.5 course.

**Summer Evening.**

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### 1027B - COMPUTER SCIENCE FUNDAMENTALS II

A continuation for both Computer Science 1025A/B and Computer Science 1026A/B. Data organization and manipulation; abstract data types and their implementations in a modern programming language; lists, stacks, queues, trees; pointers; recursion; file handling and storage.

**Antirequisite(s):** Computer Science 1037A/B, Computer Science 2121A/B, Digital Humanities 2221A/B.

**Prerequisite(s):** Computer Science 1025A/B or Computer Science 1026A/B.

3 lecture hours, 1 laboratory/tutorial hour. 0.5 course. **Summer Evening.**

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### 1032A - INFORMATION SYSTEMS AND DESIGN

Techniques used for determining technological needs of businesses; building and managing systems to meet those needs; development roles of individuals and organizations; planning and management of concepts, personnel and processes; related software tools (spreadsheets, databases).

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Intended primarily for Management and Organizational Studies students.

**Antirequisite(s):** Management and Organizational Studies 1033A/B.

3 lecture hours. 0.5 course. **Distance.**

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### 1033A - MULTIMEDIA AND COMMUNICATION I

This course explores the use of different types of media (e.g., text, images, sound, animation) to convey ideas and facilitate interaction. Topics include the design and use of a range of software tools for media creation and editing, covering image, sound, animation and video. This knowledge will be applied to authoring web sites.

2 lecture hours, 2 laboratory/tutorial hours. 0.5 course.

**Summer Evening.**

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### 3380Z - PROJECT

A supervised study involving a research paper, the design of or development of a software project.

**Antirequisite(s):** Computer Science 4460Z, Computer Science 4480Y, Computer Science 4490Z.

**Prerequisite(s):** Permission from the department, plus: Computer Science 2212A/B/Y and registration in the Specialization or Major in Computer Science. To be allowed into this course, the student must have found a topic and a willing departmental supervisor before the end of the add period.

3 lecture hours. 0.5 course. **Summer Evening.**

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### 4476Y - SUMMER OF CODE

An examination of open source software development through Google's annual Summer of Code program. Students are exposed to real-world software development scenarios in mentored projects from a number of open source projects, gaining valuable and practical skills and experience in open source software development and maintenance.

**Antirequisite(s):** Computer Science 4437A/B/Y if taken during the Summer 2013 or 2014 academic terms.

**Prerequisite(s):** Computer Science 3307A/B/Y or permission of the Department.

3 lecture hours. Note: Students must notify the Department of their interest in registration in the course prior to the preceding May 1st for Computer Science 4476A/B/Y. Registration in the course is conditional upon acceptance into the Google Summer of Code program. Students are advised that the timeline for this program varies from year to year and it is their responsibility to ensure that they can participate in the program according to their schedule and needs. 0.5 course. **Summer Evening.**

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### 4490Z - THESIS

A project or research paper completed with minimal faculty supervision. An oral presentation plus a written submission will be required.

**Antirequisite(s):** Computer Science 3380F/G/Z, Computer Science 4460Z, Computer Science 4470Y, Computer Science 4480Y.

**Prerequisite(s):** (2.0 courses from: Computer Science 3305A/B, 3307A/B/Y, 3331A/B, 3340A/B, 3342A/B, 3350A/B; plus registration in the Honors Specialization in Computer Science or the Combined Honors BSc Computer Science/Juris Doctor (JD) Program) or (2.0 courses from: Computer Science 3305A/B, 3307A/B/Y, 3319A/B, 3331A/B, 3340A/B, 3357A/B; plus registration in the Honors Specialization in Information Systems).

3 lecture hours. 0.5 course. **Summer Evening.**

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## DIMENSIONS OF LEADERSHIP

### 1031 - EXPLORING LEADERSHIP

An interdisciplinary course providing students with an introduction to the concept and history of leadership. Students will examine the philosophical, psychological and theoretical perspectives on leadership through readings, engagement with representative leaders, and experiential simulations and activities.

**Antirequisite(s):** The former Interdisciplinary Studies 1031.

3 lecture hours. 1.0 course. **Intersession.**

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### 4440 - INDEPENDENT STUDY IN LEADERSHIP STUDIES

Readings and discussion on, or field experience in, leadership which are agreed upon through Consultation between the student and the supervising professor.

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**Prerequisite(s):** Leadership Studies 3331F/G and Leadership Studies 3333F/G or the former Dimensions of Leadership 3331F/G and the former Dimensions of Leadership 3333A/B. 1.0 course. **Intersession.**

## DISABILITY STUDIES

### 1010A - EXPLORING DISABILITY

Explores provocative ethical and practical Disability Studies topics using a Liberal Arts framework. Students actively engage both sides of cases with legal, medical, and recreational significance. Examines how disability, mental health and neuro-diversity intersect with modern culture and social institutions.

**Antirequisite(s):** The former Interdisciplinary Studies 1010A/B.

3 lecture hours. 0.5 course. **Distance.**

### 2023B - DISABILITY SPORTS & RECREATION

Explore the dynamic sports and recreation venues where people with and without disability are involved in working towards diverse forms of participation and inclusion. These are crucial spheres of self-expression, sociability, integration and contribution. Recreational and elite sports, youth and adult programs and camp settings are covered.

**Antirequisite(s):** The former Disability Studies 2211A/B. 0.5 course. **Distance.**

### 2292A - SPECIAL TOPICS IN DISABILITY STUDIES

Topic and course description will be available at time of registration.

**Prerequisite(s):** Disability Studies 1010A/B or the former Interdisciplinary Studies 1010A/B  
3 hours. 0.5 course. **Distance.**

## EARTH SCIENCE

### 1070A - INTRODUCTION TO THE GEOLOGY AND RESOURCES OF EARTH

An introduction to geology covering rock forming minerals and rock forming processes. Emphasis will be placed on how mineral and hydrocarbon resources develop. A survey of the geological record is carried out to illustrate how resources are classified and distributed through time.

**Antirequisite(s):** Earth Sciences 1022A/B, Earth Sciences 1081A/B.

Only available online, purchase of Rock and Mineral Kit required. 0.5 course. **Distance.**

### 1086F - ORIGIN AND GEOLOGY OF THE SOLAR SYSTEM

Our best perception of the origin of the Universe, the Milky Way Galaxy, and our Solar System, meteorites, asteroids, comets and the formation of planets. The slow growth of Planetary Science reason and analysis of hypotheses. Why and how Earth evolved along a path radically different than the other planets.

**Antirequisite(s):** Earth Sciences 2232F/G, Astronomy 2201A/B, 2232F/G, or the former Earth Sciences 2001F/G.

The equivalent of 3 lecture hours per week. Offered only online (see Western Distance Studies). 0.5 course. **Distance.**

## ECONOMICS

### 0012B - INTRODUCTION TO MACROECONOMICS

This course introduces students to current Canadian and international economic issues with a focus on large scale economic performance and measuring economic performance, including topics in economic instability and fiscal policy, banking and monetary policy, and international trade and economic growth.

**Antirequisite(s):** Ontario High School CIA4U or equivalent.

**Prerequisite(s):** Registration in a Preliminary Year program at Brescia University College.

3 hours.

Students are strongly advised to take Economic 0011A/B before taking Economics 0012A/B. 0.5 course. **Intersession.**

### 1021A - PRINCIPLES OF MICROECONOMICS

The problem of scarcity and its implications; choice; opportunity cost; specialization and exchange; supply and demand; economic choices of households and firms; competition and monopoly; resource markets; public policy; income distribution.

**Antirequisite(s):** The former Economics 1020.

2 lecture hours, 1 tutorial hour (Main), 3 lecture hours (Brescia, Huron, King's). 0.5 course. **Distance. Summer Evening.**

### 1022A/B - PRINCIPLES OF MACROECONOMICS

National income; aggregate supply and aggregate demand; inflation, unemployment and interest rates; money and monetary institutions; economic growth; balance of payments; and exchange rates.

**Pre- or Corequisite(s):** Economics 1021A/B must be taken prior to or at the same time as 1022A/B. Students are strongly advised to take Economics 1021A/B before taking Economics 1022A/B.

2 lecture hours, 1 tutorial hour (Main), 3 lecture hours (Brescia, Huron, King's) 0.5 course. **Distance. Summer Evening.**

**Intersession.**

### 2122A - ECONOMETRICS I

An introduction to econometric description and inference which covers: descriptive statistics for cross-section and time-series samples, probability; probability distributions and random variables; estimators and sampling distributions; confidence intervals and tests of hypotheses; simple linear regression.

**Antirequisite(s)** at Main campus: Biology 2244A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, 2820E, 2830A/B, 2850A/B, 2851A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical Sciences 2035, 2141A/B, 2143A/B, 2244A/B, 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205. Note: Students wishing to enroll in higher-level courses in the Department of Statistics and Actuarial Sciences are encouraged to consult that department.

**Antirequisite(s)** at Huron, King's campus : All other courses in Introductory Statistics (except Statistical Sciences 1023A/B and Statistical Sciences 1024A/B): Biology 2244A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, 2820E, 2830A/B, 2850A/B, 2851A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical Sciences 2035, 2141A/B, 2143A/B, 2244A/B, 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205.

**Prerequisite(s):** Economics 1021A/B and Economics 1022A/B, or Economics 2001A/B, and one of MCV4U, Mathematics 0110A/B, Calculus 1000A/B, Calculus 1500A/B, Mathematics 1225A/B or the former Calculus 1100A/B.

3 lecture hours. 0.5 course. **Summer Evening.**

### 2123B - ECONOMETRICS II

An introductory course in regression analysis which covers: multivariate probability distributions; the classical linear regression model; heteroskedasticity; autocorrelation; introduction to time series; dynamic linear models; diagnostic testing; instrumental variables; nonlinearities and limited dependent variables.

**Antirequisite(s):** Economics 2223A/B.

**Prerequisite(s):** Economics 2122A/B; and 0.5 course from: Mathematics 1225A/B, Calculus 1000A/B, Calculus 1500A/B or the former Calculus 1100A/B.

3 lecture hours. 0.5 course. **Summer Evening.**

### 2150A - INTERMEDIATE MICROECONOMIC THEORY I

Theories of the behavior of consumers and firms and the theory of competitive markets.

**Antirequisite(s):** Economics 2260A/B.

**Prerequisite(s):** Economics 1021A/B and Economics 1022A/B, or Economics 2001A/B, and one of MCV4U, Mathematics 0110A/B, Calculus 1000A/B, Calculus 1500A/B, Mathematics 1225A/B or the former Calculus 1100A/B.

3 lecture hours. 0.5 course. **Distance. Summer Evening.**

### 2151B - INTERMEDIATE MICROECONOMIC THEORY II

Theories of imperfectly competitive markets and the markets for factors of production; game theory, general equilibrium and welfare economics.

**Antirequisite(s):** Economics 2261A/B.

**Prerequisite(s):** Economics 2150A/B.

3 lecture hours. 0.5 course. **Summer Evening.**

### 2152A - INTERMEDIATE MACROECONOMIC THEORY AND POLICY I

National income accounts, price indexes, theories of aggregate demand and aggregate supply; rational expectations; the determination of real income, employment, wages, the rate of interest and the price level.

**Antirequisite(s):** Economics 2220A/B.

**Prerequisite(s):** Economics 1021A/B and Economics 1022A/B, or Economics 2001A/B, and one of MCV4U, Mathematics 0110A/B, Calculus 1000A/B, Calculus 1500A/B, Mathematics 1225A/B or the former Calculus 1100A/B.

3 lecture hours. 0.5 course. **Summer Evening.**

### 2153B - INTERMEDIATE MACROECONOMIC THEORY AND POLICY II

Inflation; unemployment; economic growth and fluctuations; the determination of the balance of payments and the exchange rate; and monetary and fiscal stabilization policies in closed and open economies.

**Antirequisite(s):** Economics 2221A/B.

**Prerequisite(s):** Economics 2152A/B.

3 lecture hours 0.5 course. **Summer Evening.**

### 2156A - LABOUR ECONOMICS - BARGAINING

The economic and legal aspects of labor relations will be approached under some or all of the following headings: the history and origin of the trade union movement, the economics of trade unions, labor law, wage/price controls and the relationship of unions, firms and governments.

**Antirequisite(s):** Economics 3344A/B and Economics 3345A/B.

**Prerequisite(s):** Economics 1021A/B and Economics 1022A/B, or Economics 2001A/B.

3 lecture hours. 0.5 course. **Intersession.**

### 2167A - INTERNATIONAL ECONOMICS

This course is an introduction to international economics. Topics will include the standard theories of international trade, trade policies, and international labour mobility, foreign direct investment, fixed and flexible exchange rates, international capital mobility and macroeconomic adjustment policies.

**Antirequisite(s):** Economics 2163A/B, Economics 2164A/B, Economics 3352A/B, Economics 3353A/B.

**Prerequisite(s):** Economics 1021A/B and Economics 1022A/B, or Economics 2001A/B.

3 lecture hours. 0.5 course. **Intersession.**

## ENGINEERING SCIENCE

### 1021A - PROPERTIES OF MATERIALS IN ENGINEERING

An introduction to the relationship between the microstructure and engineering properties of metals, ceramics, polymers, semi-conductors and composites.

3 lecture hours, 2 tutorial hours. 0.5 course. **Intersession.**

### 1022A - ENGINEERING STATICS

Analysis of forces on structures and machines, including addition and resolution of forces and moments in two and three-dimensions. The application of the principles of equilibrium. Topics: trusses; frames; friction; and centroids.

2 lecture hours/week; 1 tutorial hour/week for ten weeks each term - this is equivalent to 3 lecture hours/week and 2 tutorial hours/week over one term. 0.5 course. **Summer Day.**

### 1036A - PROGRAMMING FUNDAMENTALS FOR ENGINEERS

Designing, implementing and testing computer programs using a modern object-oriented language such as C++ to fulfill given specifications for small problems using sound engineering principles and processes. Awareness of the engineering aspects of the process of constructing a computer program.

**Antirequisite(s):** Computer Science 1025A/B, Computer Science 1026A/B.

3 lecture hours, 2 laboratory hours. 0.5 course. **Intersession.**

### 4498F - ENGINEERING ETHICS, SUSTAINABLE DEVELOPMENT AND THE LAW

This course will cover professionalism, ethical theory, the code of ethics and enforcement; the environment; and contracts and risk.

**Prerequisite(s):** Completion of third year of the Engineering program.

3 lecture hours. 0.5 course. **Intersession.**

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## ENGLISH

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### 1020E - UNDERSTANDING LITERATURE TODAY

By studying a broad range of exciting and important literary works from the past and present, this course will increase your understanding and appreciation not just of the richness and power of the works themselves, but also of the role of literature in reflecting and shaping our perceptions of the world and of ourselves.

**Antirequisite(s):** English 1022E, English 1035E.

**Prerequisite(s):** Grade 12U English or permission of the Department. For part time students who have been admitted without the OSSD, this permission will be granted as a matter of course.

3 hours. 1.0 course. **Distance.**

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### 2017 - READING POPULAR CULTURE

"If Shakespeare were alive today, he'd be writing for television." This course addresses the many forms of popular culture, including television, music, popular fiction and film, urban myths, and celebrities. The aim of this course is to encourage students to develop a critical understanding of all aspects of popular culture.

3 lecture hours. 1.0 course. **Summer Evening.**

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### 2033E - CHILDREN'S LITERATURE

Readings from significant books written for children, selected primarily for literary quality. Some attention will be given to the historic evolution of "Children's Literature" as a separate class, but the principal aim of the course will be to consider the nature and development of the two major genres: nonsense verse and romance.

**Antirequisite(s):** English 2730F/G (King's).

3 hours. 1.0 course. **Distance. Intersession.**

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### 2071F - SPECULATIVE FICTION: SCIENCE FICTION

From Mary Shelley's *Frankenstein* to Ridley Scott's *Blade Runner*, a consideration of the history and development of science fiction. Will include science fiction themes such as the Other, new technologies, chaos theory, cybernetics, paradoxes of space/time travel, first contact, and alien worlds.

3 hours. 0.5 course. **Distance.**

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### 2072F - SPECULATIVE FICTION: FANTASY

A study of the purposes and historical origins of fantasy, and modern developments in fantasy: alternate worlds, horror or ghost stories, sword & sorcery, heroic fantasy. May include writers such as Tolkien, Simmons, Peake, Herbert, Beagle, Rowling.

3 hours. 0.5 course. **Distance.**

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### 2401E - AMERICAN LITERATURE SURVEY

This course offers a survey of important texts and authors from the Puritan and Revolutionary periods to the present. It addresses not only the major movements and styles of American literature associated with such authors as Poe, Dickinson, Twain, Hemingway, and Morrison, but also the innovative work of less familiar Indigenous and ethnic authors.

**Antirequisite(s):** English 2341E, 2342F/G, 2343F/G, 2344E, 2345F/G, 2346F/G and 3664E, or the former English 2308E.

**Prerequisite(s):** At least 60% in 1.0 of English 1020E or English 1022E or English 1024E or English 1035E or English 1036E or English 1042E or both of English 1027F/G and English 1028F/G, or permission of the Department.

3 hours. 1.0 course. **Distance.**

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### 2550F - SPECIAL TOPICS IN ENGLISH AND CULTURAL STUDIES

Please consult the department for current offerings.

**Prerequisite(s):** At least 60% in 1.0 of any 1000-level English course, or permission of the Department.

3 hours. 0.5 course. **Intersession.**

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## FAMILY STUDIES

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### 1010A - INTRODUCTION TO FAMILIES IN CANADA

This introductory course explains the field of Family Studies, examining the factors that shape family life, from individual psychology to group dynamics to social forces such as the workplace, the economy, and the government. Families are considered across the life course, and family diversity is highlighted.

**Antirequisite(s):** Family Studies 1020.

3 lecture hours. 0.5 course. **Intersession.**

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### 1015A - CLOSE RELATIONSHIPS

Intimate relationships, like those found between marital or dating partners, are examined from a social science perspective, looking at love, mate selection, attachment, loneliness, conflict, relationship dissolution, and factors contributing to successful long-term relationships. Other close relationships also are considered, such as those between friends or parents and children.

3 lecture hours. 0.5 course. **Intersession.**

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### 2235 - INTRODUCTION TO COUNSELLING

This course introduces students to the basics of counselling within the context of the study of Family Studies. Students will learn about the history of the counselling professions, will gain an understanding of various approaches, skills, and work settings, and will consider the role of counselling among diverse populations, including adolescents, couples, and families. Topics include ethical and legal aspects, assessment, individual and group counselling, and research, use of technology, and multicultural issues having to do with counselling.

**Prerequisite(s):** Any Family Studies 1000-level course or permission of the instructor.

3 hours. 1.0 course. **Summer Evening.**

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### 2260A - MIDDLE CHILDHOOD AND ADOLESCENCE

This course investigates middle childhood and adolescence, exploring these developmental stages as they intersect with family, society, and cultural contexts.

**Prerequisite(s):** Any Family Studies 1000-level course or permission of the instructor.

3 lecture hours. 0.5 course. **Summer Day.**

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### 2300F - UNDERSTANDING FAMILY RESEARCH

Students will become familiar with the primary research methods used by Family Studies professionals. Other topics such as research ethics will be covered.

**Prerequisite(s):** 1.0 from Family Studies courses at the 1000 level.

3 lecture hours. 0.5 course. **Intersession.**

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### 3340A - FAMILY RESILIENCE

This course explores the topic of family resilience, using a strengths-based perspective to examine how and why some families are able to survive and rebound from adversity, trauma, or persistent challenges over the life course, while others do not.

**Prerequisite(s):** 1.0 Family Studies courses at the 2000 level, or permission of instructor

3 lecture hours. 0.5 course. **Intersession.**

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### 3345A - FAMILY VIOLENCE

Family violence is examined from a variety of theoretical perspectives, such as feminist, exchange, and systems. Dating violence, violence in marriage and marriage-like relationships, child abuse, and elder abuse are considered.

**Prerequisite(s):** 1.0 units of Family Studies 2000-level courses, or enrollment in third or fourth year of the Major in Criminal Justice or Honors Specialization in Community and Criminal Justice modules, or permission of instructor.

3 lecture hours. 0.5 course. **Summer Day.**

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## FILM STUDIES

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### 2166A - ZOMBIE FILM

This course considers how this horror subgenre has developed over the past century and why it continues to resonate with filmmakers and filmgoers. Using various approaches, we'll examine the cultural anxieties the films raise in relation to such issues as gender, sexuality, race, capitalism, technology, religion, and the environment.

**Antirequisite(s):** Film Studies 2194A/B, if taken in 2012-2013 or 2015-2016; Film Studies 2196A/B, if taken in 2013-2014. 2 lecture/seminar hours, 1.3-hour lecture/screening. 0.5 course. **Distance.**

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## FIRST NATIONS STUDIES

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### 2112 - IROQUOIAN LANGUAGE AND CULTURE

In this course the student will learn the basics of a particular North American aboriginal language (Mohawk) and will examine the relationships of that language to various culturally relevant concepts.

**Antirequisite(s):** Anthropology 2112.

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**Prerequisite(s):** Any Arts and Humanities or Social Science 0.5 or 1.0 Essay course.

3 hours. 1.0 course. **Summer Day.**

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### 2919F - THE IROQUOIAN: THEIR HISTORY AND CULTURE

An examination of the culture and history of the Iroquoian Peoples from European contact to present day as presented by historical and contemporary writings and interpretation of events. Students will use a combination of primary and secondary sources drawn from both Iroquoian and Non-Iroquoian traditions.

**Prerequisite(s):** Registration in second year or higher of any program.

3 lecture hours. 0.5 course. **Summer Day.**

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### 3001F - SPECIAL TOPICS IN FIRST NATIONS STUDIES

Special topics of current interest in the First Nations. List of special topics may be available in the Program office.

**Prerequisite(s):** Third of fourth year registration in any program with approval of the Director.

3 lecture/seminar hours. 0.5 course. **Summer Day.**

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### 3002E - SPECIAL TOPICS IN FIRST NATIONS STUDIES

Special topics of interest in First Nations Studies. List of topics may be available in the Program's office.

**Prerequisite(s):** Registration in third year in any program.

3 lecture/seminar hours. 1.0 course. **Summer Day.**

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### 3003 - SPECIAL TOPICS IN FIRST NATIONS STUDIES

Topic available in the office of First Nations Studies.

**Prerequisite(s):** One 2000-level First Nations course or permission of the Director of First Nations Studies.

3 lecture/seminar hours. 1.0 course. **Summer Day.**

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### 3011F - READINGS IN FIRST NATIONS STUDIES

Individual reading and research of current interest in First Nations topics. Students must make arrangements with a Professor in the First Nations Studies program. An application must be completed with approval from the Instructor and the Director. Applications are available in the First Nations Studies office.

**Prerequisite(s):** Third of fourth year registration in any program with approval of the Director.

Hours to be arranged with the Instructor. 0.5 course. **Summer Evening.**

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### 4011F - SUPERVISED READING/RESEARCH IN FIRST NATIONS STUDIES

Individual reading and research of current interest in First Nations topics. Student must make arrangements with a Professor in the First Nations Studies program. An application must be completed with approval from the Instructor and the Director. Applications are available in the First Nations Studies office.

**Prerequisite(s):** Fourth year registration in any program with the approval of the Director.

Hours to be arranged with the Instructor. 0.5 course. **Summer Evening.**

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### 4022E - FIELD SCHOOL IN FIRST NATIONS STUDIES

An advanced seminar course combining in-class discussions of theoretical texts, research papers alongside community-based research. Students will be trained in appropriate methodologies and ethics of working with First Nations Communities. Areas of research and instruction may include land claims, self-government, education, health care, and urban issues.

**Prerequisite(s):** Registration in fourth year, a 70% average in First Nations Studies, 1.5 courses from First Nations Studies 3140F/G, 3306F/G, 3722F/G, 3911F/G, 3921F/G, 3971F/G, or the former First Nations Studies 3141F/G or permission of the instructor.

3.0 hours seminar/field school (practicum). 1.0 course.

**Intersession.**

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## FOODS AND NUTRITION

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### 1021 - NUTRITION FOR MODERN LIVING

A survey of human nutritional needs including nutrient requirements, nutrient functions and sources of nutrients in foods. Maternal and infant nutrition, food additives, food legislation, world food problems, and other current topics.

**Antirequisite(s):** Foods and Nutrition 1030E or Foods and Nutrition 2121.

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**Prerequisite(s):** Grade 11 (or higher) Biology and Chemistry are highly recommended as preparation for this course.  
3 lecture/tutorial hours. 1.0 course. **Summer Evening.**

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### 2121 - INTRODUCTION TO HUMAN NUTRITION

An introduction and overview of the basic principles of human nutrition. Exploration of the facts and myths surrounding the subject.

**Antirequisite(s):** Foods and Nutrition 1021, 1030E.

**Prerequisite(s):** Registration in the Nutrition and Families modules (Honors Specialization, Specialization, Major) or by permission of the Division. Grade 11 (or higher) Biology and Chemistry are highly recommended as preparation for this course.

3 lecture hours. 1.0 course. **Summer Evening.**

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### 2232 - PRINCIPLES OF FOOD SCIENCE

A study of the physical structure, chemical composition and nutritive value of foods with emphasis on the effect on a finished product of the physical and chemical conditions, the proportion of ingredients and manipulative techniques. Discussion of aesthetic qualities and food economics.

**Prerequisite(s):** Registration in the BSc (Foods and Nutrition) or BSc (Human Ecology) programs.

**Corequisite(s):** Foods and Nutrition 1030E, Chemistry 2003A/B or Chemistry 2213A/B.

3 lecture hours, 3 laboratory hours. 1.0 course. **Intersession.**

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### 3344A - DIET AND NUTRITIONAL ASSESSMENT

A critical survey of the methods used in the assessment of food and nutrient intakes and nutritional status of communities, groups and individuals, in both health and disease.

**Prerequisite(s):** Foods and Nutrition 1030E or Foods and Nutrition 1021 or Foods and Nutrition 2121. Registration in the Foods and Nutrition or Nutrition and Families modules (Honors Specialization, Specialization, Major, Minor in Foods and Nutrition).

**Pre- or Corequisite(s):** Foods and Nutrition 2241A/B.

3 lecture hours. 0.5 course. **Intersession.**

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### 3348A - FOOD PRODUCTION MANAGEMENT I

The application of scientific principles to the procurement, storage, processing and service of institutional food. Menu-planning to meet nutritional requirements while working under the constraints of budgets and the available food supplies, equipment and staff. Food trends, sanitation and safety.

**Prerequisite(s):** Registration in the Foods and Nutrition or Nutrition and Families or Management and Organizational Studies modules (Honors Specialization, Specialization, Major, Minor in Foods and Nutrition).

**Pre- or Corequisite(s):** Foods and Nutrition 3342A/B.

3 lecture hours. 0.5 course. **Intersession.**

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### 3351A - CLINICAL NUTRITION I

Introduction to therapeutic nutritional care/service, modifications of normal diet to meet special nutritional needs, menu planning; documentation of nutritional care.

**Prerequisite(s):** Foods and Nutrition 2241A/B. Registration in the Foods and Nutrition or Nutrition and Families modules (Honors Specialization, Specialization, Major, Minor in Foods and Nutrition).

**Pre- or Corequisite(s):** Foods and Nutrition 3344A/B.

3 lecture hours. 0.5 course. **Intersession.**

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### 3373A - NUTRITION AND PHYSICAL ACTIVITY

An integrative study of the impact of various levels of physical activity and in-activity on nutritional needs and food and nutrient intakes based on current research and recommendations with attention to popular half-truths and myths.

**Prerequisite(s):** Foods and Nutrition 1030E or Foods and Nutrition 1021 (with a mark of at least 70%) or Foods and Nutrition 2121 (with a mark of at least 70%). Registration in the Foods and Nutrition or Nutrition and Families modules (Honors Specialization, Specialization, Major, Minor in Foods and Nutrition).

**Pre-or Corequisite(s):** Foods and Nutrition 2241A/B or Foods and Nutrition 2245A/B.

3 lecture hours. 0.5 course. **Intersession.**

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### 4901Y - DIETETIC SIMULATION PRACTICE

Provides an overview of processes involved in patient care, counselling, nutritional/community assessment, clinical activities for disease conditions, electronic patient records, data systems, clinical interface with food service operations.

Simulation exercises engage students in critical thinking, clinical reasoning and evidence-based decision-making, raise awareness and allow the assessment of students competencies to practice.

0.5 course. **Intersession.**

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### 4902Y - REGULATORY, LEGAL AND ETHICAL ISSUES OF DIETETIC PRACTICE

An exploration of ethical issues, including ethics and critical incidents review boards, current national/international standards/guidelines, legal principles/issues related to informed consent, liability, and regulatory and legal issues related to dietetic practice. Ethical dilemmas and their resolution will provide opportunities for developing competence and judgment skills, attitudes and confidence.

0.5 course. **Intersession.**

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### 4903Y - PRACTICE-BASED DIETETIC RESEARCH

Provides an overview of evidence-based practice, the grant-writing process, budgetary aspects of grants, budgeting and managing project costs/cash flow/audits and negotiating agreements. Information management and knowledge transfer will be emphasized as they report on their research projects at the end of their placements.

0.5 course. **Intersession.**

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### 4904Y - PRACTICUM

Students complete 1300 hours of practice in varied practice areas and locations. They work on-site or conduct site-related work on a predetermined schedule, typically 30 - 35 hours per week. Students must successfully complete the practical training in all areas to satisfy the practicum requirements for the diploma.

0.5 course. **Intersession.**

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## FRENCH

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### 1910 - UNIVERSITY FRENCH (LEVEL 1)

A study of the French language based on cultural, written material and basic grammar problems.

**Antirequisite(s)** at Main campus: French 1900E, French 1999.

**Antirequisite(s)** at Brescia, Huron, King's campus: French 1900E.

**Prerequisite(s):** Ontario Grade 12 French (Core, Extended or Immersion) or equivalent, or French 1010 or French 1011A/B or French 1011A/B or permission of the Department of French Studies.

4 lecture/tutorial/laboratory hours.

Note at Main campus: Students who have Grade 12 French but have not taken French courses for more than 3 years, or have an average below 75% in Grade 12 French, should consult the Department of French Studies.

Note at Brescia, Huron, King's campus: Students who have Grade 12 French but have not taken French courses for more than 3 years, should consult the Department. 1.0 course.

**Intersession.**

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### 2404A - FRENCH AND FRANCOPHONE CULTURES: FRANCE: ENLIGHTENMENT TO POSTMODERNITY (VERSION I)

Using a multimedia approach, this civilization course examines the historical, political, cultural and artistic evolution of France, from the eighteenth century to modern times. Classes are taught in French. This course complements French 2406A/B.

**Antirequisite(s):** French 2144A/B.

**Prerequisite(s):** French 1900E or French 1910 or French 1999 or permission of the Department of French Studies, based on Placement Test.

3 lecture/tutorial hours. 0.5 course. **Intersession.**

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### 2600E - INTRODUCTION TO FRENCH LITERATURE

A study in depth of some major French texts, with training in the skills of literary analysis.

**Antirequisite(s):** French 2605F/G, French 2606F/G.

**Prerequisite(s):** French 1900E or French 1910 or French 1999 or permission of the Department of French Studies.

3 lecture/tutorial hours. 1.0 course. **Distance.**

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### 2905A - LANGUAGE AND READING

Intensive grammar review with an emphasis on textual analysis and understanding various forms of writing (2 hours lecture + 1 hour tutorial). Oral practice in the language laboratory (1 hour).

**Antirequisite(s):** French 2101, French 2900.

**Prerequisite(s):** French 1900E or French 1910 or French 1999 or permission of the Department of French Studies, based on Placement Test.

3 or 4 lecture/tutorial hours. 0.5 course. **Distance.**

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### 2906B - LANGUAGE AND EXPRESSION

A review of selected elements of grammar with an emphasis on written and oral expression (2 hours lecture + a hour tutorial). Oral practice in the language laboratory (1 hour).

**Antirequisite(s):** French 2101, French 2900.

**Prerequisite(s):** French 1900E or French 1910 or French 1999 or permission of the Department of French Studies, based on Placement Test.

3 or 4 lecture/tutorial hours. 0.5 course. **Distance.**

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### 3894A - FRENCH PRONUNCIATION I

Introduces students to the analysis of the sound system of the French language and the differences between the English and the French phonetic systems. Students will learn to identify and adjust non-native patterns of pronunciation through comparative analysis, listening exercises, phonetic transcriptions, pronunciation practice in class and recordings.

**Prerequisite(s):** French 2900 or by permission of the Department.

3 lecture hours. 0.5 course. **Summer Day.**

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### 3900 - LANGUAGE (ADVANCED LEVEL III)

Grammar, composition, translation and oral practice. (One hour per week in the language laboratory may be required.)

**Antirequisite(s):** French 3905A/B, French 3907A/B, French 3908A/B.

**Prerequisite(s):** 1.0 course from French 2905A/B, French 2906A/B, French 2907A/B (or French 2900), or permission of the Department of French Studies, based on Placement Test.

3 or 4 tutorial hours (Main); 3 or 4 lecture/tutorial hours (Brescia, Huron, King's). 1.0 course. **Distance.**

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## GEOGRAPHY

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### 2011A - ONTARIO AND THE GREAT LAKES

A detailed examination of the province as part of the Great Lakes region, with special reference to its historical development, natural resources and patterns of human and economic activity.

2 lecture hours. 0.5 course. **Distance.**

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### 2090A - SPACE EXPLORATION

Survey of human activity in outer space, including history of spaceflight, scientific exploration, economic and military uses of space, natural resources and hazards, legal and ethical implications, and plausible future developments.

3 lecture hours. 0.5 course. **Intersession.**

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### 2131A - THE NATURAL ENVIRONMENT

An examination of the characteristics, origins and history of selected natural environments with particular reference to North America.

**Antirequisite(s):** Geography 1300A/B.

2 lecture hours, 1 tutorial hour. 0.5 course. **Distance.**

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### 2143A - FOUNDATIONS OF THE GEOGRAPHY OF WORLD BUSINESS

Geographical theories of local and international trade; relationships between the location of production and flows of goods, services and factors of production among countries and regions; the geographical patterns of world commerce.

2 lecture hours. 0.5 course. **Intersession.**

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### 2152F - GEOGRAPHY OF HAZARDS

A survey of the methods and models used to understand human responses to hazards. The course reviews the rich tradition of hazards research in geography, particularly through the lens of social science. The course will include discussions of both so-called "natural hazards" (e.g., floods, fires, earthquakes) and "technological hazards" (e.g., nuclear technology, genetically modified organisms, terrorism, war) as examples.

**Antirequisite(s):** The former Geography 2152A/B.

3 lecture hours. 0.5 course. **Intersession.**

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## HEALTH SCIENCES

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### 1002A - SOCIAL DETERMINANTS OF HEALTH

This course introduces key social determinants of health, and orients students to viewing health in relation to social factors, equity, and social justice. Students will be introduced to basic terms, concepts, and measurements related to health, public health, population health, and health inequalities.

**Antirequisite(s):** The former Health Sciences 1000.

3 lecture hours, 1 tutorial hour. 0.5 course. **Intersession.**

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### 2300A - SYSTEMIC APPROACH TO FUNCTIONAL ANATOMY

A gross anatomical description of systemic structure and function of the human body, with emphasis on skeletal, muscular and cardiovascular systems. Integration between systems will be discussed using clinical examples related to sport, medicine, and physical therapy. This is an introductory level lecture course.

**Antirequisite(s):** Anatomy and Cell Biology 2221, Anatomy and Cell Biology 3319, Kinesiology 2222A/B.

**Prerequisite(s):** Grade 12U Biology or equivalent is strongly recommended.

Registration information: Students not in a Health Science program are limited to a 1.5 Health Science course load.

3 lecture hours, 1.0 laboratory hour. 0.5 course. **Summer Evening.**

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### 3025A - INTEGRATIVE HEALTH

Integrative Health examines a variety of areas and issues concerning the broad field of integrative health. From an evidence-based perspective, the course explores integrative health domains and assesses the quantitative and qualitative evidence about these various forms of "alternative" health including, but not limited to Oriental medicine, mind-body interventions, manual therapies, and herbal/pharmacological approaches to integrative health and lifestyle decision-making.

**Antirequisite(s):** Former Health Sciences 4020A/B; Health Sciences 3091A, section 001 if taken in Fall 2011; Kinesiology 3372A, section 002 if taken in Fall 2011.

**Prerequisite(s):** Minimum of 60% [mandatory] in each of Health Sciences 1001A/B and Health Sciences 1002A/B. 3 lecture hours. 0.5 course. **Intersession.**

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### 3801A - MEASUREMENT AND ANALYSIS IN HEALTH SCIENCES

An introduction to measurement and analysis in health sciences research, covering topics such as validity, reliability, standard errors, confidence intervals, tests of means, correlation, and linear regression.

**Antirequisite(s):** Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Psychology 2850A/B, Psychology 2851A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical Sciences 2035, 2141A/B, 2143A/B, 2244A/B, 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205.

**Prerequisite(s):** Health Sciences 2801 or the former Health Sciences 2800.

2 lecture hours, 1 laboratory hour. 0.5 course. **Intersession.**

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## HISTORY

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### 1401E - MODERN EUROPE, 1715 TO THE PRESENT: CONFLICT AND TRANSFORMATION

Examines central events and themes of modern European history, including: origins and impact of the French and industrial revolutions; Napoleonic wars; liberalism and reaction; socialism; nationalism; women's emancipation movements; imperialism, national rivalries and world wars; the Russian Revolution, Communist rule, and the collapse of the Soviet Union; Nazism; European integration.

2 lecture hours, 1 tutorial hour (Main); 3 hours (Brescia, Huron, King's). 1.0 course. **Distance.**

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### 1404E - HITLER, STALIN AND MUSSOLINI: THE TOTALITARIAN AGE

An introduction to the theory and practice of totalitarianism through a comparative study of regimes established by Hitler, Stalin and Mussolini. Topics include the seizure of power, personality cults, culture, education and propaganda, bio-politics, terror, war, the Holocaust, resistance movements.

**Antirequisite(s):** History 2145A/B, History 2147A/B, or the former History 1403E.

3 lecture hours. 1.0 course. **Intersession.**

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### 2110A - FRAGILE FREEDOMS? HUMAN RIGHTS IN CANADA

This course examines the history of human rights in Canada. It explores the creation of rights linked to ethnicity, gender, language, religion, region, class and other characteristics. It asks both why rights have been created and what factors have limited the development of rights.

**Antirequisite(s):** History 2187.

2 lecture hours. 0.5 course. **Summer Evening.**

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### 2120B - NORTHERN ENTERPRISE: CANADIAN BUSINESS AND LABOR HISTORY

The development and effect of business in Canada from the late nineteenth century, with special emphasis on its social impact and the emergence of a Canadian labor movement.

**Antirequisite(s):** History 2125F/G, the former History 2213F/G.

3 hours. 0.5 course. **Distance.**

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### 2147A - NAZI GERMANY

We analyze how the Nazi Party came to power; the regime's use of propaganda, intimidation and terror within Germany after 1933; Hitler's foreign policy; Nazi methods in occupied Europe; anti-Semitism, the Holocaust, and other programs of mass murder; resistance within Germany, and the reasons for the regime's defeat.

**Antirequisite(s):** History 1403E, History 2145A/B.

2 lecture hours. 0.5 course. **Intersession.**

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### 2158A - FOOD IN WORLD HISTORY

This course explores the role of food in world history with an emphasis on international exchange and cultural interaction following the discovery of the Americas. Students will consider the impact and influence of food upon politics, trade, conflict, and other aspects of society and culture.

2 hours. 0.5 course. **Summer Evening.**

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### 2301E - THE UNITED STATES, COLONIAL PERIOD TO THE PRESENT

Emphasis first term upon the emergence of the American nation, the egalitarian impulse, national expansion and sectional conflict; second term, upon the great transformations of the modern era: the growth of industrialism, big government, a pluralistic society, and international predominance.

**Antirequisite(s):** History 2302F/G, History 2710F/G.

2 lecture hours, 1 tutorial hour (Main); 3 lecture hours (Brescia, Huron, King's). 1.0 course. **Distance.**

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### 2702E - TEN DAYS THAT SHOOK THE WORLD

The course examines ten separate days/events in world history since 1609 with an emphasis on the key role of interactions across cultures. Moving among the case studies, the goal of the course is not to gain total knowledge of the world, but to understand the processes by which we claim to know the world.

3 lecture hours. 1.0 course. **Intersession.**

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## HISTORY OF SCIENCE

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### 2220 - INTRODUCTION TO THE HISTORY OF MEDICINE

An overview of the development of medicine from antiquity to the present, including the growth of medical sciences, concepts of disease, therapies, and the history of medical practice and institutions.

3 lecture hours. 1.0 course. **Summer Evening.**

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## HUMAN ECOLOGY

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### 2266F - COMMUNICATIONS

A social-psychological analysis of communication theory in the context of interpersonal small-group and large-group dynamics. Group exercises to improve communication skills and to stimulate discussion. Assignments and laboratories to provide an opportunity to prepare and present information within the scope of foods and nutrition and human ecology.

**Antirequisite(s):** Management and Organizational Studies 2205F/G, Health Sciences 3620A/B.

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**Prerequisite(s):** Registration in the Foods and Nutrition or Nutrition and Families modules (Honors Specialization, Specialization, Major).

2 lecture hours, 2 laboratory hours. 0.5 course. **Intersession.**

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### 3338A - ISSUES IN HOUSING

A study of the housing needs of individuals and families and how those have been met at different times in history, in different societies and particularly today in Canada, including discussions of housing design, urban planning, environmental issues and alternative housing.

**Prerequisite(s):** Registration in the Foods and Nutrition or Nutrition and Families modules (Honors Specialization, Specialization, Major).

3 lecture hours. 0.5 course. **Summer Evening.**

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### 3349A - PRINCIPLES OF MANAGEMENT

An introductory study of management principles, evolution of theories and influence of the behavioral sciences on current management practice. Functions of management, assessment and development of managerial skills. Case studies to help develop analytical and decision-making skills.

**Prerequisite(s):** Registration in the Foods and Nutrition modules (Honors Specialization)

3 lecture hours. 0.5 course. **Intersession.**

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### 4402A - SUPERVISED RESEARCH

**Prerequisite(s):** Human Ecology 4411F/G. Registration in the Foods and Nutrition modules (Honors Specialization). Minimum of 10 tutorial/laboratory/field work hours.

Limited enrollment course. 0.5 course. **Summer Evening.**

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## ITALIAN

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### 1046A - ITALIAN FOR TRAVELERS 2

This course is a continuation of Italian 1045A/B. An introduction to Italian in an active and practical way, the course emphasizes travel competence. Based in Tuscany, students will acquire an understanding of multifaceted contemporary Italian culture.

**Antirequisite(s):** Students with Grade 12U Italian or OAC Italian, or with previous knowledge of Italian must consult the Department before registering for this course.

**Prerequisite(s):** Italian 1045A/B or permission of the department.

40 lecture hours over 2 weeks. The course takes place in Italy during **Intersession**. See Department for information on application procedure. 0.5 course. **Intersession.**

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## JAPANESE

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### 1050 - JAPANESE I

An introduction to spoken and written Japanese with emphasis on the development of communicative skills. Intended for students with little or no previous knowledge of Japanese. Prepares students for progression to Japanese 2250.

**Antirequisite(s):** Japanese 1036, Japanese 1051A/B, Japanese 1052A/B.

4 hours. Those students with Grade 12U Japanese must consult the Department before registering for this course. 1.0 course. **Intersession. Summer Day.**

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### 2250 - JAPANESE 2

Builds on skills in reading and speaking Japanese developed in earlier courses. This course bridges between the elementary and intermediate level. Students gain increased vocabulary and familiarity with more extensive grammatical structures and will be able to communicate in Japanese regarding non-specialized topics.

**Antirequisite(s):** Japanese 2260.

**Prerequisite(s):** Japanese 1050 or Japanese 1051A/B and Japanese 1052A/B or permission of the Department.

4 hours. 1.0 course. **Intersession.**

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## KINESIOLOGY

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### 2276F - PSYCHOLOGY OF EXERCISE

The central purpose of this course is to examine the psychological bases of exercise and physical activity. Emphasis is placed on understanding the motives and barriers underlying involvement in exercise and physical activity, the psychological benefits derived from acute and chronic involvement, the situational and personal determinants associated with failure to initiate and/or adhere to exercise and physical activity programs, the theoretical perspectives

advanced to account for involvement, and intervention strategies used to stimulate and/or maintain involvement in exercise and physical activity.

**Prerequisite(s):** Kinesiology 1070A/B or the former Kinesiology 1088A/B.

3 lecture hours. 0.5 course. **Summer Evening.**

### 2961A - FOUNDATIONS OF TRAINING TECHNIQUE

An introduction to the basic knowledge and techniques associated in designing exercise programs for beginners. Students will be expected to learn and put into practice techniques used to develop muscular endurance, muscular strength and cardiovascular fitness. The student will train for eight weeks.

**Antirequisite(s):** The former Kinesiology 2204Q/R/S/T. The former Kinesiology 2040A/B.

**Prerequisite(s):** Completion of the first year Kinesiology program and registration in the School of Kinesiology.

5 lecture/laboratory hours. 0.5 course. **Summer Evening.**

## MANAGEMENT AND ORGANIZATIONAL STUDIES

### 1021A - INTRODUCTION TO CONSUMER BEHAVIOUR AND HUMAN RESOURCES

This course introduces students to the study of management and organizations based on best available evidence. Topics covered may include consumer behavior, human resource management, business processes, intercultural relations, and multinational corporations in a globalized economy. These topics are fundamental to understanding managing people, consumer choice, and global commerce.

**Prerequisite(s):** Enrolment in BMOS on Main Campus or Music Administrative Studies (MAS)

3 lecture hours. 0.5 course. **Intersession.**

### 1023A - INTRODUCTION TO ACCOUNTING AND FINANCE

This course provides students with a basic introduction to the fields of accounting and corporate finance. The accounting unit introduces students to basic accounting concepts from financial and managerial accounting. The corporate finance unit explains how financial markets work and how corporate managers use these markets to create and sustain corporate value.

**Prerequisite(s):** Enrolment in BMOS on Main Campus or Music Administrative Studies (MAS)

3 lecture hours. 0.5 course. **Intersession.**

### 2155A - ORGANIZATIONAL HUMAN RELATIONS

An examination of the theories and applications of managing human relations and the dynamics of interaction within organizations.

**Prerequisite(s):** Enrolment in BMOS.

3 lecture hours. 0.5 course. **Intersession.**

### 2181A - ORGANIZATIONAL BEHAVIOR

A multidisciplinary approach to the study of human behavior in organizations from the individual, group and organizational levels of explanation.

**Antirequisite(s)** at Main campus: MOS 2180.

**Antirequisite(s)** at Brescia, Huron, King's campus: MOS 2180, and King's MOS 2190A/B Special Topics, 2010-11 ONLY.

**Prerequisite(s):** Enrolment in BMOS or Music Administrative Studies (MAS).

3 lecture hours 0.5 course. **Distance.**

### 2255A - ENTREPRENEURIAL THINKING

This course provides a broad overview of the principles, theories, and praxis of entrepreneurship, together with an understanding of the key tasks, skills, and attitudes required. It focuses on the "Effectuation" logic that serves entrepreneurs in the processes of opportunity identification and new venture creation based on existing resources.

**Prerequisite(s):** Completion of 5.0 1000-level courses.

3 lecture hours. 0.5 course. **Intersession.**

### 2275A - BUSINESS LAW I

An introduction to Canadian business law, including: tort law, contracts, property, employment, partnerships, corporations, debtor and creditor, bankruptcy and insolvency, sale of goods and consumer protection. Cases and current events are used to illustrate legal issues and to solve legal problems.

**Antirequisite(s):** Business Administration 4450A/B, Law 5510A/B, Law 5210A/B.

**Prerequisite(s):** Enrolment in BMOS or Honors Specialization in Urban Development or Technical Entrepreneurship Certificate (TEC).

3 lecture hours. 0.5 course. **Distance.**

### 2285A - GLOBAL BUSINESS ENVIRONMENT

This course examines the forces affecting businesses as they enter and operate in global markets. Students will learn theories and techniques which will help them understand how businesses decide where and when to enter markets and what makes a given location a good fit for their operations.

**Antirequisite(s):** MOS 1020A/B.

**Prerequisite(s):** Business Administration 1220E.

3 hours. 0.5 course. **Intersession.**

### 2310A - FINANCE

This course provides overview of issues in financial management and corporate finance. Students will learn how financial managers make investment, financing and other decisions and the tools they use to make such decisions. Topics covered include time value of money, risk, valuation, capital structure, dividend policy and other selected issues.

**Antirequisite(s)** at Main campus: Financial Modelling 2555A/B, the former Actuarial Science 2555A/B and MOS 3310A/B.

**Antirequisite(s)** at Brescia campus: MOS 3310A/B.

**Prerequisite(s):** MOS 1020A/B or both MOS 1021A/B and MOS 1023A/B and enrolment in BMOS or Music Administrative Studies (MAS).

3 lecture hours.

Note: Students interested in pursuing an HBA Degree at the Richard Ivey School of Business should not take this course in second year as Ivey does not recognize this course as part of the HBA degree. 0.5 course. **Distance. Intersession.**

### 2320A - MARKETING

An introduction to the role of marketing in the organization including information systems, corporate strategy, opportunities assessment, product differentiation, pricing strategies, distribution, communication and advertising.

**Antirequisite(s):** MOS 3320A/B.

**Prerequisite(s):** MOS 1020A/B or both MOS 1021A/B and MOS 1023A/B and enrolment in BMOS or Music Administrative Studies (MAS).

3 lecture hours

Note: Students interested in pursuing an HBA Degree at the Richard Ivey School of Business should not take this course in second year as Ivey does not recognize this course as part of the HBA degree. 0.5 course. **Intersession.**

### 3310A - FINANCE FOR MANAGEMENT AND ORGANIZATIONAL STUDIES

An introduction to the role of financial management including financial markets and analysis, working capital management, capital budgeting and long-term financing.

**Antirequisite(s):** MOS 2310A/B.

**Prerequisite(s):** Business 2257 and enrollment in BMOS.

3 lecture hours. 0.5 course. **Intersession.**

### 3360A - INTERMEDIATE ACCOUNTING I

Theory and concepts of financial accounting with particular emphasis on financial statements, revenue recognition, and current and long-term assets.

**Antirequisite(s):** Business Administration 4417A/B.

**Prerequisite(s):** Business Administration 2257 and enrolment in 3rd or 4th year of BMOS or Music Administrative Studies (MAS).

3 lecture hours. 0.5 course. **Summer Evening.**

### 3370A - MANAGEMENT ACCOUNTING

What does it cost? This question is asked in every organization. The determination of cost is a key accounting process that supports decision making. This course will cover management accounting techniques related to cost: behaviour, allocation, determination, and strategic cost management.

**Antirequisite(s)** at Main: Business Administration 3307K, the former Business Administration 4407Q/R/S/T.

**Antirequisite(s)** at Brescia, Huron, King's: Business Administration 3307K, Business Administration 4407Q/R/S/T, the former MOS 3372.

**Prerequisite(s):** Business Administration 2257 and enrolment in third or fourth year of BMOS, Honors Specialization in Urban Development or Music Administrative Studies (MAS).

3 lecture hours. 0.5 course. **Distance. Intersession.**

### 3385A - ESSENTIALS OF HUMAN RESOURCES FOR NON HR STUDENTS

An introduction to human resources management (HRM) processes in organizations. Topics include: history of HRM, role of HRM departments in organizations, basics in job design, staffing analysis, recruitment and selection.

**Antirequisite(s):** MOS 4485F/G.

**Prerequisite(s):** Enrolment in 3rd or 4th year of the BMOS program.

3 lecture hours. 0.5 course. **Summer Day.**

### 4410A - STRATEGIC MANAGEMENT

Identification and analysis of problems and strengths in the organizational environment, using models from the social sciences. Strategies designed to deal with organizational challenges will be explored.

**Prerequisite(s):** Enrolment in 4th year of BMOS.

3 lecture hours. 0.5 course. **Distance.**

### 4465A - ADVANCED ACCOUNTING

Advanced financial accounting topics including international accounting and Canadian accounting treatment of intercorporate investments, business combinations, foreign currency transactions and translation, and accounting for not-for-profit organizations.

**Antirequisite(s)** at Main campus: Business Administration 4427A/B.

**Antirequisite(s)** at Huron, King's campus: Business Administration 4427A/B and the former MOS 4460A/B and MOS 4461A/B.

**Prerequisite(s):** MOS 3361A/B and enrolment in 4th year of BMOS.

3 lecture hours. 0.5 course. **Summer Evening.**

## MATHEMATICS

### 1225A/B - METHODS OF CALCULUS

Elementary techniques of integration; applications of Calculus such as area, volume, and differential equations; functions of several variables, Lagrange multipliers. This course is intended primarily for students in the Social Sciences, but may meet minimum requirements for some Science modules. It may not be used as a prerequisite for any Calculus course numbered 1300 or above.

**Antirequisite(s)** at Main campus: Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, Calculus 1501A/B, Mathematics 1230A/B. If Calculus 1000A/B or Calculus 1500A/B was completed after September 1, 2016 it is an antirequisite, but not if it was completed before that time.

**Antirequisite(s)** at Brescia, Huron, King's campus: Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, Calculus 1501A/B, Mathematics 1230A/B, Calculus 1000A/B or Calculus 1500A/B taken after September 1, 2016.

**Prerequisite(s):** Ontario Secondary School MCV4U or Mathematics 0110A/B.

3 lecture hours. 0.5 course. **Summer Evening. Intersession.**

### 1228A/B - METHODS OF FINITE MATHEMATICS

Permutations and combinations; probability theory. This course is intended primarily for students in the Social Sciences, but may meet minimum requirements for some Science modules.

**Antirequisite(s):** Mathematics 2124A/B, Mathematics 2155F/G, the former Mathematics 2155A/B, Statistical Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2857A/B.

**Prerequisite(s):** One or more of Ontario Secondary School MCV4U, MHF4U, MDM4U, Mathematics 0110A/B, Mathematics 1225A/B, Mathematics 1229A/B.

3 lecture hours. 0.5 course. **Summer Evening. Intersession.**

### 1229A - METHODS OF MATRIX ALGEBRA

Matrix algebra including vectors and matrices, linear equations, determinants. This course is intended primarily for students in the Social Sciences, but may meet minimum requirements for some Science modules.

**Antirequisite(s):** Applied Mathematics 1411A/B, Applied Mathematics 2811B, Mathematics 1600A/B, Mathematics 2120A/B, Mathematics 2155F/G, Mathematics 2211A/B, the former Mathematics 2155A/B.

**Prerequisite(s):** One or more of Ontario Secondary School MCF3M, MCR3U, or equivalent.

3 lecture hours. 0.5 course. **Distance. Summer Day.**



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## 1600A - LINEAR ALGEBRA I

Properties and applications of vectors; matrix algebra; solving systems of linear equations; determinants; vector spaces; orthogonality; eigenvalues and eigenvectors.

**Antirequisite(s):** Applied Mathematics 1411A/B, Applied Mathematics 281B.

**Prerequisite(s):** One or more of Ontario Secondary School MCV4U, Mathematics 1229A/B, Calculus 1000A/B or Calculus 1500A/B, the former Calculus 1100A/B. Calculus 1000A/B or Calculus 1500A/B may be taken as a pre- or corequisite.

3 lecture hours, 1 laboratory hour. 0.5 course. **Summer Evening.**

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## MEDIA, INFORMATION AND TECHNOLOGY

### 3090F - MIT ACADEMIC INTERNSHIP I

The MIT Academic Internship is an unpaid, credit internship for up to four months, or a minimum of 140 hours. The internship will require students to make connections with academic study while undertaking supervised duties in organizations and businesses with media-related or information-related interests, public service organizations, and community groups. The student is required to a) maintain a suitable level of performance in the position as verified by the employer through evaluations and b) submit a mid-term as well as a final report, demonstrating how the experience gained through the internship relates to his/her coursework and program of study.

**Antirequisite(s):** MIT 3990F/G, MIT 3991F/G.

**Prerequisite(s):** Registration in the third or fourth year of a module in MIT or MPI, with a minimum cumulative average of 72%, and have no failures or documented academic offences. Approval of, and acceptance into, an internship placement.

The internship is given 0.5 course credit, and will show on the student's transcript as Pass with Distinction, Pass, or Fail. 0.5 course. **Summer Evening, Intersession, Summer Day.**

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### 3090Z - MIT ACADEMIC INTERNSHIP I

The MIT Academic Internship is an unpaid, credit internship for up to four months, or a minimum of 140 hours. The internship will require students to make connections with academic study while undertaking supervised duties in organizations and businesses with media-related or information-related interests, public service organizations, and community groups. The student is required to a) maintain a suitable level of performance in the position as verified by the employer through evaluations and b) submit a mid-term as well as a final report, demonstrating how the experience gained through the internship relates to his/her coursework and program of study.

**Antirequisite(s):** MIT 3990F/G, MIT 3991F/G.

**Prerequisite(s):** Registration in the third or fourth year of a module in MIT or MPI, with a minimum cumulative average of 72%, and have no failures or documented academic offences. Approval of, and acceptance into, an internship placement.

The internship is given 0.5 course credit, and will show on the student's transcript as Pass with Distinction, Pass, or Fail. 0.5 course. **Summer Day.**

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### 3091Z - MIT ACADEMIC INTERNSHIP II

The MIT Academic Internship II is an unpaid, credit internship for up to four months, or a minimum of 140 hours. The internship will require students to make further connections with academic study while undertaking supervised duties in organizations and businesses with media-related or information-related interests, public service organizations, and community groups. In addition, a faculty supervisor will grade the required in-depth research paper relating the knowledge gained on the internship to the theoretical underpinnings of media studies.

**Antirequisite(s):** MIT 3990F/G, MIT 3991F/G.

**Prerequisite(s):** Completion of MIT 3090F/G/Z Academic Internship I with Pass with Distinction, plus a cumulative average of 78% and no failures or documented academic offences. The student must find a faculty supervisor willing to oversee and grade his/her final paper.

The internship is given a 0.5 course credit, with a numeric grade based on the paper and fulfillment of the internship requirements. 0.5 course. **Summer Day.**

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### 3206F - CRITICAL PERSPECTIVES IN ADVERTISING

This course will examine some of the issues that arise from such commercial - and non-commercial - activity. Topics include structure and symbolism in advertising, consumption as communication, the potential link between advertising and

purchase, the perpetuation of stereotypes and other promises and perils pertaining to the marketing machine.

**Antirequisite(s):** MIT 3850G if taken in 2010-2011, MIT 3851G if taken in 2011-12 or 2012-13 or MIT 3851F if taken in 2013-2014.

3 lecture hours. 0.5 course. **Distance.**

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### 3373G - SOCIAL MEDIA & ORGANIZATIONS

This course provides hands-on experience with building, evaluating, and using social media tools such as blogs, wikis, and social networking websites within an organizational context. Relevant issues such as user privacy, social media policies, effective planning and implementation, and organizational impact will be addressed.

**Antirequisite(s):** MIT 3852G if taken in 2011-2012, Digital Communication 3209F/G.

3 lecture hours. 0.5 course. **Distance.**

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### 3990F - MPI ACADEMIC INTERNSHIP I

The MPI Academic Internship I places undergraduate students in unpaid positions where they work in a new and challenging cultural milieu for community groups, non-government organizations and public services with media- and information- related interests. Placements are selected and supervised by instructors in consultation with the Undergraduate Affairs Committee.

**Antirequisite(s):** MIT 3090F/G/Z, MIT 3091F/G/Z.

**Prerequisite(s):** Registration in the 3rd or 4th year of a module in MPI, with a min cum average of 72%, no failures or documented academic offences. Approval of, and acceptance into, an internship placement.

Corequisite(s): MIT 3950E or MIT 3951F/G.

The internship is given 0.5 course credit, and will show on the student's transcript as Pass with Distinction, Pass, or Fail. 0.5 course. **Intersession.**

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### 3991F - MPI ACADEMIC INTERNSHIP II

The MPI Academic Internship II places undergraduate students in unpaid positions where they work in a new and challenging cultural milieu for community groups, non-government organizations and public services with media- and information- related interests. Placements are selected and supervised by instructors in consultation with the Undergraduate Affairs Committee.

**Antirequisite(s):** MIT 3090F/G/Z, MIT 3091F/G/Z.

**Prerequisite(s):** Registration in the 3rd or 4th year of a module in MPI, with a min cum average of 72%, no failures or documented academic offences. Approval of, and acceptance into, an internship placement.

Corequisite(s): MIT 3950E or MIT 3951F/G.

The internship is given 0.5 course credit, and will show on the student's transcript as Pass with Distinction, Pass, or Fail. 0.5 course. **Intersession.**

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## MEDICAL SCIENCE

### 4931G - SELECTED TOPICS IN MEDICAL SCIENCES

An introduction to the basic medical sciences through a discussion and investigation of selected topics in medical sciences. Topics will focus on human diseases or conditions which are most common or result in most illness and death or burden to the health system (e.g., diabetes, obesity, cancer, neurodegenerative disease).

**Antirequisite(s):** Medical Sciences 4930F/G.

**Prerequisite(s):** Registration in Year 4 of a BMSc, BSc, BEsc or BHSc degree, with the exception of the Honors Specialization in IMS, or permission of the instructor.

3 lecture/tutorial hours/week or equivalent online delivery, 0.5 course. **Distance.**

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## MUSIC

### 1122A - FUNDAMENTALS OF MUSIC THEORY

A concise introduction to music theory that will develop both practical and intellectual fluency with musical skills and concepts. Not available for credit for music students.

3 hours. 0.5 course. **Distance.**

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## NURSING

### 2250A - WAYS OF KNOWING: RESEARCH

This course will introduce students to ways of knowing, questioning, and advancing nursing practice. Students will explore basic strategies for identifying knowledge gaps through literature review and critique. Research methods pertinent to nursing will be explored.

**Antirequisite(s):** Nursing 3319A/B.

**Prerequisite(s):** Registration in the Year 2 Western-Fanshawe Collaborative BScN program.

3 lecture hours. 0.5 course. **Summer Evening.**

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### 3600W - CLIENTS WITH HEALTH CHALLENGES

This course focuses on adults and children experiencing acute and chronic health challenges. Students will explore dimensions of health, strengths-based nursing care, and health promotion/disease prevention.

**Prerequisite(s):** Registration in Compressed Time Frame BScN program.

5 lecture hours. All 2000-level courses in the program must be completed successfully before enrolling in 3000-level courses. 0.25 course. **Summer Evening.**

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### 3700Q - PROFESSIONAL PRACTICE I: CLIENTS WITH HEALTH CHALLENGES

Students will apply theory and integrate concepts related to health promotion and caring with clients experiencing health challenges. The focus of this course is the acquisition of nursing skills, utilizations of technological interventions, and application of evidence informed practice.

**Prerequisite(s):** Registration in Compressed Time Frame BScN program.

4 laboratory hours. Pass/Fail. All 2000-level courses in the program must be completed successfully before enrolling in 3000-level courses. 0.25 course. **Summer Evening.**

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### 3800Q - PROFESSIONAL PRACTICE II: CLIENTS WITH HEALTH CHALLENGES

This course will provide students with opportunities to work with clients experiencing complex health challenges, from a health promotion perspective, in a simulated hospital setting.

**Prerequisite(s):** Registration in Compressed Time Frame BScN program.

24 simulated clinical hours. Pass/Fail. All 2000-level courses in the program must be completed successfully before enrolling in 3000-level courses. 0.25 course. **Summer Evening.**

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### 3900A - PROFESSIONAL PRACTICE III: CLIENTS WITH HEALTH CHALLENGES

Students will apply and integrate theory while providing nursing care to clients experiencing episodic health challenges in a hospital setting.

**Prerequisite(s):** Registration in Compressed Time Frame BScN program.

144 clinical hours. Pass/Fail. All 2000-level courses in the program must be completed successfully before enrolling in 3000-level courses. 0.5 course. **Summer Evening.**

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### 4320A - PROFESSIONAL ETHICAL AND LEGAL OBLIGATIONS: A CRITICAL APPRAISAL

This course will critically review ethical theories, the legal and ethical aspects of nurses' roles, and nursing's commitment to healthy public policy, social justice, and advocacy.

**Antirequisite(s):** The former Nursing 2254A/B, 2204A/B.

**Prerequisite(s):** Registration in Year 4 of the Western-Fanshawe Collaborative BScN program or Compressed Time Frame BScN program.

3 lecture hours. 0.5 course. **Summer Evening.**

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### 4400A - ADVANCED CONCEPTS FOR PROFESSIONAL PRACTICE

This course will assist students to integrate multiple sources of knowledge gained in the program to engage in in-depth exploration of health/illness issues.

**Prerequisite(s):** Registration in Year 4 of the Western-Fanshawe Collaborative BScN or Compressed Time Frame BScN program.

3 lecture hours. All 3000-level courses in the program must be completed successfully before enrolling in 4000-level courses. 0.5 course. **Summer Evening.**

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#### 4410A - PROFESSIONAL PRACTICE: CLIENTS WITH COMPLEX HEALTH CHALLENGES

This course will allow students to synthesize knowledge from multiple sources to engage with clients experiencing health/illness challenges.

**Prerequisite(s):** Registration in Year 4 of the Western-Fanshawe Collaborative BScN or Compressed Time Frame BScN program.

144 clinical hours. All 3000-level courses in the program must be completed successfully before enrolling in 4000-level courses. 0.5 course. **Summer Evening.**

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#### 4440A - FUTURE DIRECTIONS FOR NURSING & HEALTH CARE

This course focuses on contemporary issues in nursing, health care and health policy. Students will explore the role of nursing in shaping and influencing future directions incorporating program concepts such as social justice, empowerment, and change and transformative theory.

**Antirequisite(s):** Nursing 4412W/X, the former Nursing 3300.

**Prerequisite(s):** Registration in Year 4 of the Western-Fanshawe Collaborative BScN program or Compressed Time Frame BScN program.

3 lecture hours. 0.5 course. **Summer Evening.**

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#### 4491Y - NURSE PRACTITIONER ROLES AND RESPONSIBILITIES

Examination of the roles and responsibilities of the primary care nurse practitioner, historical development, relationships with clients and other health providers, legal and ethical issues, scope of practice and functioning in interdisciplinary teams, primary health policy formulation and political strategies are addressed.

**Prerequisite(s):** Registration in the Primary Health Care Nurse Practitioner Certificate program.

3 hours. 0.5 course. **Summer Evening.**

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#### 4497 - INTEGRATIVE PRACTICUM

The final course in the program, builds upon knowledge and experience gained in previous courses and integrates theory with practice. Consists of concurrent seminars and practica, evaluated separately. Seminars use problem-based and case study methods. Practica in urban and rural health care settings are based upon student learning needs.

**Prerequisite(s):** Registration in the Primary Health Care Nurse Practitioner Certificate program.

6 hours seminar, 29 hours practice. 1.0 course. **Summer Evening.**

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### PHARMACOLOGY

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#### 2060A - INTRODUCTORY PHARMACOLOGY AND THERAPEUTICS

A course for students in the BSc in Nursing and other Health Sciences programs as well as students in BMSc and BSc programs, to provide a basic understanding of the fundamentals of drug action and the mechanisms of action and therapeutic use of the important classes of drugs.

**Antirequisite(s):** Pharmacology 3620.

**Pre- or Corequisite(s):** One of Biology 1001A or Biology 1201A and one of Biology 1002B or Biology 1202B; or registration in the BSc in Nursing.

1 tutorial hour (optional). 0.5 course. **Distance.**

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### PHILOSOPHY

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#### 1130F - BIG IDEAS

Apparently simple conceptions sometimes especially capture our imagination. Examples: Descartes's "I think, therefore I am," McLuhan's "the medium is the message," or Plato's theory of forms. The course examines a great number of these simple ideas that are also the Big Ideas that no educated person should be ignorant of.

3 hours. 0.5 course. **Intersession.**

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#### 1250F - RIGHT AND WRONG

A survey of selected philosophical problems in the areas of ethics and political/legal philosophy, with reference to works of both classical and contemporary philosophers. Specimen topics include ethical relativism, freedom and determinism, anarchy and government, and the justification of punishment. Primarily for first year students.

**Antirequisite(s):** Philosophy 1100E, Philosophy 1300E.

3 hours. 0.5 course. **Intersession.**

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#### 2074G - BUSINESS ETHICS

Ethical analysis of issues arising in contemporary business life. Sample topics: ethical codes in business; fair and unfair competition, advertising and consumer needs and wants; responsibilities to investors, employees and society; conflicts of interest and obligation; business and the regulatory environment.

3 hours. 0.5 course. **Intersession.**

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#### 2076F - PHILOSOPHY OF SEX, LOVE AND FRIENDSHIP

An examination of some ancient and/or more recent views on love, friendship and the varieties of sexual expression. Topics may include philosophical problems raised by affection, selfless love and eros, celibacy, pornography, perversion, and the social roles and conventions of sexual identity.

3 hours. 0.5 course. **Intersession.**

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#### 2200F - ANCIENT PHILOSOPHY

A critical examination of key works of Greek philosophers with major emphasis on Plato and Aristotle.

3 hours. 0.5 course. **Intersession.**

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#### 2250 - INTRODUCTION TO LOGIC

A study of sentential and predicate logic designed to train students to use procedures and systems (trees, natural deduction, axiomatic systems) for determining logical properties and relations, and to give students an understanding of syntactic and semantic metatheoretical concepts and results relevant to those procedures and systems.

**Antirequisite(s):** Philosophy 2020, Philosophy 2252W/X.

3 lecture hours. 1.0 course. **Summer Day.**

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#### 2700F - INTRODUCTION TO ETHICS AND VALUE THEORY

Critical study of the nature and justification of ethical and value judgements, with an analysis of key concepts and a survey of the main contemporary theories.

3 hours. 0.5 course. **Distance.**

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#### 2730F - MEDIA ETHICS

A study of ethical issues in media, including such topics as: the reasonable limits of free expression; intellectual property and the public domain; official secrets and access to information; regulating online content; commercial databases and informational privacy; cameras in the courtroom; plagiarism and piracy; defamation; hactivism and the hacker ethic.

3 hours. 0.5 course. **Intersession.**

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#### 2820F - PHILOSOPHY OF WAR AND PEACE

An introduction to problems concerning large-scale armed conflict, including national and civil wars. Topics include revolutionary violence, the idea of a just war, war as an extension of foreign policy, international law and the law of war, the treatment of civilians, and war prisoners, war crimes and reparations, deterrence and rationality, pacifism.

3 hours. 0.5 course. **Summer Evening.**

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#### 2822F - TOPICS IN PHILOSOPHY OF LAW

An in depth examination of one or more topics in legal philosophy, for example property rights, criminal responsibility, and the rule of law. Topics vary from year to year.

3 lecture hours. 0.5 course. **Summer Day.**

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#### 3001G - TOPICS IN ASIAN PHILOSOPHY

This course will examine in-depth the works of two or three Indian, Tibetan, Chinese and/or Japanese philosophers. The topics will usually be ethical or metaphysical. In some years, the course may include readings from a Western philosopher for comparison.

3 hours. 0.5 course. **Intersession.**

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#### 3820G - GLOBALIZATION AND THEORIES OF JUSTICE

This course subjects globalization, as an economic, political and cultural phenomenon, to critical scrutiny, using tools provided by theories of justice. Topics considered may include: sweatshops; world hunger; refugee rights; the claim to universality in human rights discourse; and the ethics of militant protest to back demands for global justice.

3 hours. 0.5 course. **Intersession.**

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### PHYSICS

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#### 1301A - INTRODUCTORY PHYSICS I

An introductory calculus-based laboratory course in physics covering the foundational principles of kinematics, force and motion, energy, linear momentum, rotation, torque and angular momentum, gravitation, fluids.

**Antirequisite(s):** Physics 1021, Physics 1028A/B, Physics 1401A/B, Physics 1501A/B, the former Physics 1020, Physics 1024, Physics 1026.

**Prerequisite(s):** Grade 12U Calculus and Vectors (MCV4U) or Mathematics 0110A/B.

3 lecture hours, 3 laboratory/tutorial hours.

Note: The department recommends that students also take a concurrent course that includes Calculus. This course, together with Physics 1302A/B, is a suitable prerequisite for modules having an introductory physics requirement (including modules in the Faculty of Science, modules offered by the basic Medical Science departments, and professional schools having a physics requirement). 0.5 course. **Summer Evening.**

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#### 1302B - INTRODUCTORY PHYSICS II

An introductory calculus-based laboratory course in physics covering the foundational principles of oscillations, waves, electric fields and potential, DC circuits, magnetic fields, magnetic induction.

**Antirequisite(s):** Physics 1021, Physics 1029A/B, Physics 1402A/B, Physics 1502A/B, the former Physics 1020, Physics 1024, Physics 1026.

**Prerequisite(s):** one of Physics 1301A/B or Physics 1401A/B or Physics 1501A/B, or a minimum mark of 70% in Physics 1028A/B.

3 lecture hours, 3 laboratory/tutorial hours.

Note: The department recommends that students also take a concurrent course that includes Calculus. This course, together with Physics 1301A/B, is a suitable prerequisite for modules having an introductory physics requirement (including modules in the Faculty of Science, modules offered by the basic Medical Science departments, and professional schools having a physics requirement). 0.5 course. **Summer Evening.**

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### PHYSIOLOGY

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#### 2130 - HUMAN PHYSIOLOGY

A survey course outlining the principles of human/mammalian physiology: general properties of the living cell and internal environment; neural, muscle, cardiovascular, respiratory, gastro-intestinal, renal and endocrine system; metabolism, reproduction, and homeostasis.

**Antirequisite(s):** Physiology 1020, Physiology 1021, Physiology 3120.

**Prerequisite(s):** First-year courses in Biology and Chemistry are recommended.

2 lecture hours, 1 tutorial hour. 1.0 course. **Distance.**

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### PHYSIOLOGY AND PHARMACOLOGY

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#### 4980E - SEMINAR AND RESEARCH PROJECT

A major laboratory project in Physiology or Pharmacology, which emphasizes experimental design, instrumentation, collection and analysis of data and communication of experimental results by oral, poster and written presentations. Students will select the physiology or pharmacology project from a list provided by the department and be matched to a supervisor.

**Antirequisite(s):** the former Pharmacology 4980E, the former Physiology 4980E.

**Prerequisite(s):** Physiology and Pharmacology 3000E or the former Pharmacology 3580Z or the former Physiology 3130Z; Physiology 3120 and 31240A; and registration in Year 4 of one of the following Honors Specialization modules: Pharmacology, Physiology or Physiology and Pharmacology. Minimum 15 laboratory hours per week plus 2 seminar hours in alternate weeks. 1.0 course. **Summer Day.**

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### POLITICAL SCIENCE

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#### 1020E - INTRODUCTION TO POLITICAL SCIENCE

An introduction to the study of politics. The course focuses on ideas (including politics, power, democracy, justice, freedom), ideologies (including liberalism, conservatism, socialism, feminism), institutions (including the nation-state, constitutions, legislatures, executives, the judiciary), political

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mobilization (participation, elections, parties, interest groups), and research skills, emphasizing Canadian, comparative, and international examples.

3 lecture hours. 1.0 course. **Distance.**

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### 2219E - THE POLITICS OF HUMAN RIGHTS

A lecture course on the political dimensions of human rights. The course begins by examining the meaning and interpretations of human rights, and then discusses the application of the human rights discourse in real world situations both within states and at the international level.

**Antirequisite(s):** Political Science 3388E.

**Prerequisite(s):** Political Science 1020E.

3 lecture hours. 1.0 course. **Interession.**

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### 2230E - CANADIAN GOVERNMENT AND POLITICS

An examination of selected problems in Canadian government and politics, such as federalism, political parties and pressure groups.

**Antirequisite(s):** Political Science 2103A/B, Political Science 2130, Political Science 2133A/B.

**Prerequisite(s):** Political Science 1020E.

3 hours. 1.0 course. **Distance.**

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### 2231E - INTERNATIONAL RELATIONS

This course surveys contemporary world politics and examines contending theories used by scholars and policymakers to make sense of international affairs. It also provides the conceptual tools and theories to interpret the international system.

**Antirequisite(s)** at Main campus: Political Science 2131.

**Antirequisite(s)** at Brescia, Huron, King's campus: International Relations 2701E, Political Science 2131.

**Prerequisite(s):** Political Science 1020E.

3 hours. 1.0 course. **Distance.**

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### 2237E - INTRODUCTION TO POLITICAL THEORY

An examination of central themes and issues in the history of political thought from ancient to modern times.

**Antirequisite(s):** Philosophy 2800F/G, Political Science 2801F/G, Political Science 2802E.

**Prerequisite(s):** Political Science 1020E.

3 hours. 1.0 course. **Distance.**

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### 2246E - PUBLIC ADMINISTRATION AND POLICY

This course explores many of the inner workings of government. Students will be introduced to selected research and issues in public administration and public policy in the context of Canada's federal system. Topics include the politics-administration interface, intergovernmental relations, representative bureaucracy, the policy process, and citizen engagement, among others.

**Antirequisite(s):** Political Science 2146, Political Science 2218F/G.

3 lecture hours. 1.0 course. **Distance.**

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### 2270E - WOMEN AND POLITICS

This course focuses on how women participate and effect political change. It examines women's subordination and the wide-range of emancipatory struggles women have undertaken to achieve equality.

**Antirequisite(s):** Political Science 2255F/G, Political Science 3207F/G.

**Prerequisite(s):** Political Science 1020E or Women's Studies 1020E or registration in Honors Specialization or Major modules in Social Justice and Peace Studies.

3 hours. 1.0 course. **Summer Day.**

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### 3303F - INTRODUCTION TO CANADIAN LAW

This course addresses the evolution and current state of the Canadian legal system with an emphasis on the Canadian constitution, criminal code and administrative law. Emphasis will be placed on the relationship between different levels of governments, governments and citizens, and legal relationships between citizens.

**Prerequisite(s):** 1.0 credit at the 1000 level from Political Science, Sociology, Economics, or Social Justice and Peace Studies, or permission of the department.

2 hours. 0.5 course. **Distance.**

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### 3324F - INTRODUCTION TO RESEARCH METHODS IN POLITICAL SCIENCE

This course introduces students to a range of methodological approaches to questions in political science. Students will become familiar with qualitative and quantitative data sources and ways of using each to address political issues.

**Antirequisite(s)** at Main campus: Health Sciences 2801A/B, Psychology 2800E, 2820E, and Sociology 2206A/B.

**Antirequisite(s)** at Huron, King's campus: Health Sciences 2801A/B, Psychology 2800E, Psychology 2820E, Psychology 2830A/B, and Sociology 2206A/B.

**Prerequisite(s):** Registration in 3rd or 4th year of Political Science, International Relations or a BMOS Public Administration module.

2 lecture hours. 0.5 course. **Distance.**

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### 3366E - INTERNATIONAL CONFLICT MANAGEMENT

An examination of theories and strategies of international conflict and conflict management, including the causes of war, arms control, and various methods of reducing or eliminating conflict.

**Prerequisite(s):** Political Science 2231E or Political Science 2245E or International Relations 2702E, or the former International Relations 2701E.

2 hours. 1.0 course. **Distance.**

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### 4931E - RESEARCH REPORT

**Prerequisite(s):** Political Science 4901A/B, Political Science 4902A/B, Political Science 4903A/B, Political Science 4904A/B.

1.0 course. **Interession.**

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## PSYCHOLOGY

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### 0010A - INTRODUCTION TO PSYCHOLOGICAL PRINCIPLES

This course introduces students to the biological bases (evolutionary, genetic, and physiological) of behaviour. The course surveys core areas of psychology including behaviour genetics, evolutionary psychology, brain and behaviour, sensation and perception, learning, states of consciousness, motivation and emotion, and cognition.

**Prerequisite(s):** Registration in a Preliminary Year program at Brescia University College.

3 hours. 0.5 course. **Summer Evening.**

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### 0015B - APPLICATION OF PSYCHOLOGICAL PRINCIPLES

An introduction to the application psychology in different contexts. This course surveys core areas of psychology including development over the life span, personality, behaviour in a social context, psychological disorders and their treatment, and applications of psychology in areas such as industrial organizational, educational, and health psychology.

**Prerequisite(s):** Psychology 0010A/B and registration in a Preliminary Year Program at Brescia University College.

3 hours. 0.5 course. **Summer Evening.**

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### 1000 - INTRODUCTION TO PSYCHOLOGY

An introductory survey of the methods and findings of modern scientific psychology. The following topics will be covered: history and methodology, biological psychology, sensation and perception, learning and motivation, verbal and cognitive processes, developmental psychology, social psychology, individual differences (intelligence and personality), and clinical psychology.

**Antirequisite(s):** Psychology 1000W/X, Psychology 1100E. Note for Brescia, Huron, King's: Psychology 1000, and Psychology 1000W/X will not serve as a substitute for Psychology 1100E for entry into any psychology module at Huron, nor will it provide access to any senior psychology course at Huron that requires Psychology 1100E.

3 lecture hours. 1.0 course. **Distance. Summer Evening.**

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### 2020A - DRUGS AND BEHAVIOR

Survey of the major drugs of abuse used to treat psychopathological disorders including a brief section on methods of administration, drug distribution and elimination, neurotransmitters. The history and patterns of use and abuse, clinic indications, neurochemical bases for action for a variety of licit and illicit drugs.

3 lecture hours. 0.5 course. **Interession.**

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### 2030A - THE MALADJUSTED MIND

This course will survey various categories of maladjusted behavior and consider different explanatory models and treatment strategies for the control of such behavior. Theories of human adjustment and maladjustment will be reviewed.

**Antirequisite(s):** Psychology 2050, Psychology 2310A/B and Psychology 3310F/G.

3 lecture hours. 0.5 course. **Distance.**

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### 2035A - UNDERSTANDING YOURSELF AND OTHERS

This course examines ways in which recent research findings in psychology may be applied in the individual's life. Emphasis on psychology as an empirical science and on avenues of self-understanding and personal growth. Topics include: personality, stress and coping, person perception, interpersonal communication, friendship and love, sexuality, vocational development.

**Antirequisite(s):** Psychology 2050.

3 lecture hours. 0.5 course. **Distance.**

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### 2036A - THE PSYCHOLOGY OF PHYSICAL HEALTH AND ILLNESS

This course will cover the role of psychological factors in the prevention of illness and the maintenance of good health, and treatment of already-existing illness. Topics will include the stress/illness relationship, psychological influences on physical symptom perception and reporting, personality and health, behavioral factors in disease, coping, adherence and compliance.

**Antirequisite(s):** Psychology 2330A/B, Psychology 3330F/G.

3 lecture hours. 0.5 course. **Distance.**

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### 2040A - CHILD DEVELOPMENT

A survey of theory and research in developmental psychology including learning, cognition, perception, personality, and social development in infancy and childhood.

**Antirequisite(s):** Psychology 2410A/B, Psychology 2480E and the former Psychology 2044.

3 lecture hours. 0.5 course. **Distance.**

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### 2070A - SOCIAL PSYCHOLOGY

An introduction to the theories, methods, findings and problems encountered in the study of people as social beings.

**Antirequisite(s):** Psychology 2720A/B, Psychology 2780E.

3 lecture hours. 0.5 course. **Interession.**

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### 2075 - HUMAN SEXUALITY

A survey of the psychological study of human sexual behavior. Topics include history, methodology, theory, anatomy, physiology, attraction, sexual function, sexual orientation, contraception, conception and birth, sexual health and sexual coercion, and pornography.

3 lecture hours. 1.0 course. **Distance.**

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### 2115A - INTRODUCTION TO SENSATION AND PERCEPTION

An introduction to the study of the human senses and higher order perceptual processes. Data gathered from psychophysical research and studies of the nervous system in both humans and other animals will be discussed. The course will review the mechanisms and principles of operation of vision, hearing, touch, taste and smell.

**Antirequisite(s):** Psychology 2015A/B.

**Prerequisite(s):** At least 60% in a 1000 level Psychology course.

4 lecture hours. 0.5 course. **Interession.**

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### 2135A - COGNITIVE PSYCHOLOGY

An introduction to empirical, computational, and theoretical approaches to the study of human cognitive processes. The topics surveyed will include: perception, attention, memory, concepts, language and problem-solving. The course will show how these diverse psychological processes are related to and influence one another.

**Antirequisite(s):** Psychology 2010A/B, Psychology 2180E.

**Prerequisite(s):** At least 60% in a 1000 level Psychology course.

4 lecture hours. 0.5 course. **Distance.**

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### 2220A - INTRODUCTION TO BEHAVIOURAL AND COGNITIVE NEUROSCIENCE

Structure and function of the nervous system in relation to behaviour. The physiological basis of the major aspects of behavior in human and other animals (principally mammals) will be covered, including: sensorimotor control, sleep and waking cycles, reproduction, ingestion, aggression, learning, memory, communication and behavioral disorders. Some background in biology is desirable. This course is the normal prerequisite for Psychology 3285F/G.

**Antirequisite(s):** Neuroscience 2000, Psychology 2221A/B.

**Prerequisite(s):** At least 60% in a 1000 level Psychology course.

3 lecture hours. 0.5 course. **Interession.**

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## 2221A - INTRODUCTION TO BIOLOGICAL BASIS OF BEHAVIOUR

An introduction to the principles of evolutionary biology, genetics, and physiology in relation to behavior. This course is intended as an introduction to the biological basis of behavior for students who do not have a background in biology.

**Antirequisite(s):** Neuroscience 2000, Psychology 2220A/B.

**Prerequisite(s):** At least 60% in a 1000 level Psychology course.

3 lecture hours. 0.5 course. **Intersession.**

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## 2550A - INTRODUCTION TO PERSONALITY THEORY AND RESEARCH

A survey of the history, methodology and content of the study of individual differences. Topics to be covered include: evaluation of typical personality assessment methods and a consideration of modern empirical research in personality theory and assessment.

**Antirequisite(s):** Psychology 2050 if taken before 2016.

**Prerequisite(s):** At least 60% in a 1000 level Psychology course.

4 lecture hours. 0.5 course. **Intersession.**

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## 2720A - INTRODUCTION TO SOCIAL PSYCHOLOGY

An introduction to the theories, findings, methods, and problems encountered in the study of people as social beings. Emphasis will be placed on experimental research, conducted both in the laboratory and in the field. Content areas include: attitudes and social cognition, social interaction and influence, group processes and applications of social psychology.

**Antirequisite(s):** Psychology 2070A/B, Psychology 2712F/G, Psychology 2780E.

**Prerequisite(s):** At least 60% in a 1000 level Psychology course.

2 lecture hours, 2 tutorial hours (Main); 3 lecture hours (Brescia, King's). 0.5 course. **Distance.**

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## 2820E - RESEARCH METHODS AND STATISTICAL ANALYSIS IN PSYCHOLOGY

An introduction to the design, conduct, and statistical analyses of psychological research. The intent is to provide students with knowledge of how to implement and evaluate research in both laboratory and applied settings. Design and statistical analysis will be taught in the context of specific studies and data sets from correlational, experimental, quasi-experimental and qualitative research. Written research projects will be required.

**Antirequisite(s):** Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2800E, 2810, Psychology 2830A/B, Psychology 2850A/B, Psychology 2851A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B, the former Social Work 2205.

**Prerequisite(s):** One full course in mathematics plus at least 60% in a 1000-level Psychology course. To fulfill the mathematics requirement, you must complete a full course equivalent by taking 1.0 courses from among the following courses: Applied Mathematics 1201A/B or the former Calculus 1201A/B, Mathematics 0110A/B, Mathematics 1120A/B, Mathematics 1225A/B, Mathematics 1228A/B, Mathematics 1229A/B, Mathematics 1600A/B, Calculus 1000A/B, the former Calculus 1100A/B, Calculus 1301A/B, Calculus 1500A/B, Calculus 1501A/B, the former Linear Algebra 1600A/B, Statistical Sciences 1024A/B. If Mathematics 0110A/B is selected, then either Statistical Sciences 1024A/B or Mathematics 1228A/B must be taken. The combination of Mathematics 1228A/B and Statistical Sciences 1024A/B is strongly recommended.

2 lecture hours, 2 laboratory/tutorial hours. 1.0 course.

**Summer Evening.**

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## 2850A - STATISTICS FOR PSYCHOLOGY I

This course provides an introduction to techniques of statistical analysis with an emphasis an application in Psychology. Topics include descriptive statistics, the normal distribution, probability, inferential statistics, and hypothesis testing. Also included will be discussion on the interpretation of statistics in other research designs including correlation, repeated samples testing and analysis of variance.

**Antirequisite(s):** Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Social Work 2207A/B,

Sociology 2205A/B, Statistical Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205.

**Prerequisite(s):** At least 60% in a 1000 level Psychology course.

3 hours. 0.5 course. **Summer Evening.**

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## 2851B - STATISTICS FOR PSYCHOLOGY II

This course expands on basic statistics with an aim at developing an understanding of the use and interpretation of statistics in more complex Psychological research designs. Topics include repeated samples testing, estimation, analysis of variance, correlation, simple linear regression and non-parametric tests.

**Antirequisite(s):** Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205.

**Prerequisite(s):** At least 60% in Psychology 2850A/B.

3 hours. 0.5 course. **Summer Evening.**

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## 2990A - APPLICATIONS OF PSYCHOLOGY

The purpose of this course is to acquaint students with some of the ways in which psychological evidence and techniques can be applied to the practice of law, business, education, the health sciences, etc.

**Prerequisite(s):** At least 60% in a 1000 level Psychology course.

3 lecture hours. 0.5 course. **Distance.**

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## 3130A - PSYCHOLOGY OF THINKING

Theoretical and empirical studies on problem solving, reasoning, concept formation, thinking and cross-cultural variations in thinking processes.

**Prerequisite(s):** Psychology 2820E or both Psychology 2800E and Psychology 2810, and one of Psychology 2115A/B, Psychology 2134A/B, Psychology 2135A/B.

3 lecture/discussion hours. 0.5 course. **Distance.**

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## 3227A - NEUROPSYCHOLOGY: BRAIN INJURY DIAGNOSIS, TREATMENT & RECOVERY

This course will discuss: 1) Common forms of brain injury, 2) basic neuroanatomy, 3) various methods of diagnosing brain injuries, including neurocognitive assessments and neuroimaging techniques, 4) historical and current treatments of the more common forms of brain injury, and 5) treatment outcomes.

**Antirequisite(s):** Psychology 3224A/B.

**Prerequisite(s):** Psychology 2220A/B or Psychology 2221A/B and registration in third or fourth year of the Honors Specialization or Major in Psychology modules, or permission of the department.

3 lecture hours. 0.5 course. **Summer Day.**

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## 3228A - EVOLUTION AND PSYCHOLOGY: THE SCIENCE OF HUMAN NATURE

A survey of evolutionary approaches to the study of human behavior, including evolutionary psychology.

**Antirequisite(s):** Psychology 3229A/B.

**Prerequisite(s):** Psychology 1000 or Biology 1001A with a minimum grade of 60% and registration in third or fourth year.

3 lecture/discussion hours. 0.5 course. **Distance.**

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## 3720F - THE PSYCHOLOGY OF PROSOCIAL AND ANTISOCIAL BEHAVIOUR

The course will consider the social, situational and personality factors responsible for the occurrence of antisocial behaviors such as violence and aggression, and of prosocial behaviors such as helping others in disaster or crisis situations.

**Prerequisite(s):** Psychology 2820E or both Psychology 2800E and Psychology 2810 (or Psychology 2780E or permission of the Department at Huron).

3 lecture/discussion hours. 0.5 course. **Distance.**

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## 3800F - PSYCHOLOGICAL STATISTICS USING COMPUTERS

This course covers most statistical procedures used in psychological research, and the use and interpretation of SPSS for Windows. Topics covered include the t test, various forms of analysis of variance, chi-square, bivariate and multiple regression and correlation, factor analysis, multivariate analysis of variance, and Monte Carlo methods.

**Antirequisite(s):** Psychology 3830F/G.

**Prerequisite(s):** Psychology 2810, plus registration in third or fourth year Honors Specialization in Psychology or Honors Specialization in Developmental Cognitive Neuroscience, or Honors Specialization in Animal Behaviour. Psychology Majors students and Psychology Special Students who earn 70% or higher in Psychology 2820E or 60% or higher in or Psychology 2810 may enrol in this course.

2 lecture hours, 2 laboratory hours (Main); 2 lecture hours, 1 laboratory hour (Brescia).

0.5 course. **Intersession.**

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## RELIGIOUS STUDIES

### 2130 - LIVING RELIGIONS

A study of the history, faith, and practices of the major living religions - selected from Hinduism, Jainism, Buddhism, Confucianism, Taoism, Shintoism, Zoroastrianism, Islam, Judaism, and Christianity.

2 hours 1.0 course. **Intersession.**

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### 2216F - WOMEN AND THE BIBLE

This course addresses "Women and the Bible" in a threefold manner: it examines the portrayal of women and female imagery in the Hebrew and Christian scriptures; considers some of the ways that the Bible has been used historically to define and often confine women, and surveys contemporary reinterpretations of biblical stories by theologians, artists and authors.

**Prerequisite(s):** A 1020 level Religious Studies Course, or Women's Studies 1020E, or permission of the Department.

3 hours. 0.5 course. **Intersession.**

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## SOCIAL WORK

### 1021A - INTRODUCTION TO SOCIAL WELFARE

An introductory course on Canada's social welfare system. Emphasis is on pursuing a critical analysis of Canada's existing social welfare programs and institutions. Attention is given to the history of society's response to meeting human needs, to varying theoretical perspectives and motivations for forming the social welfare system in Canada. Required for admission to the Social Work program.

**Antirequisite(s):** The former Social Work 1020.

3 lecture hours. 0.5 course. **Intersession.**

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### 1022A - INTRODUCTION TO SOCIAL WORK

An introductory course addressing key concepts and contemporary issues in professional social work practice in Canada. The ethical underpinnings of the profession along with micro, mezzo and macro levels of intervention will be discussed and an emphasis placed on their application to diverse populations of practice in the Canadian setting. Required for admission to the Social Work program.

**Antirequisite(s):** The former Social Work 1020.

3 lecture hours. 0.5 course. **Distance.**

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### 2214A - INTRODUCTION TO GENERALIST SOCIAL WORK PRACTICE

A conceptual, theoretical and applied examination of the generalist model of social work practice informed by ethics and framed within an anti-oppressive context. Students will also be introduced to the emotional, intellectual and personal characteristics required to be effective in pursuing a social work career. Required for admission to the Social Work program.

**Antirequisite(s):** The former Social Work 2204.

**Prerequisite(s):** Social Work 1021A/B and Social Work 1022A/B, or the former Social Work 1020, or permission of the School.

3 lecture hours. 0.5 course. **Intersession.**

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### 2215B - INTRODUCTION TO SOCIAL WORK PRACTICE THEORIES AND SKILLS

Students are introduced to a number of contemporary theories that underlie the practice of social work. A communications laboratory offers a small group experiential means of learning foundational communication and

interviewing skills. Required for admission to the Social Work program.

**Antirequisite(s):** The former Social Work 2204.

**Prerequisite(s):** Social Work 1021A/B and 1022A/B, or the former Social Work 1020, or permission of the School.

**Pre- or Corequisite(s):** Social Work 2214A/B.

3 lecture hours. 0.5 course. **Intersession.**

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#### 4463A - SOCIAL WORK PRACTICE WITH CHILDREN AND ADOLESCENTS

An analysis of Social Work methodologies related to children and adolescents as vulnerable groups in society. Emphasis is on the use of specialized techniques with traumatized and bereaved children. Concepts of attachment, resilience, adaptation and coping are explored.

**Prerequisite(s):** Third-year social work courses.

3 lecture hours. 0.5 course. **Intersession.**

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### SOCIOLOGY

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#### 0010A - UNDERSTANDING SOCIETY: SOCIAL LIFE AND SOCIAL INEQUALITY

This course considers how social forces impact people's everyday lives. Topics include sociological theory, research methods, culture, socialization, crime and deviance, social interaction, social structure, groups, social class, race, gender, and sexual orientation.

**Antirequisite(s):** Sociology 0012.

For students registered in the Preliminary Year program only. 0.5 course. **Intersession.**

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#### 1020 - INTRODUCTION TO SOCIOLOGY

An examination of the major theoretical perspectives in the field of Sociology, methods of empirical investigation of social phenomena, socialization, group structure, principles of social organization, community structure, population and social change.

**Antirequisite(s)** at Main campus: Sociology 1021E.

**Antirequisite(s)** at Brescia, Huron, King's: Sociology 1020W/X, 1021E.

2 lecture hours, 1 tutorial hour. 1.0 course. **Summer Evening. Intersession.**

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#### 1021E - INTRODUCTION TO SOCIOLOGY

This course will cover the same material as Sociology 1020, but will also provide students with the opportunity to enhance their essay-writing skills while pursuing a project or projects involving sociological analysis.

**Antirequisite(s)** at Main campus: Sociology 1020.

**Antirequisite(s)** at Brescia, Huron, King's: Sociology 1020, Sociology 1020W/X.

2 lecture hours, 1 tutorial hour. 1.0 course. **Distance.**

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#### 1026F - CONTROVERSIES IN SOCIOLOGY

Conceptions of ourselves and society are often based on taken-for-granted meanings. This course critically analyzes these meanings in order to disclose what likely are their underlying economic, political, religious, educational and gender/sexual themes.

3 lecture hours. 0.5 course. **Distance.**

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#### 2140 - SOCIAL PROBLEMS

Survey of issues and theories in the study of social problems with particular attention to contemporary Canadian society.

2 lecture hours. 1.0 course. **Distance.**

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#### 2144A - SOCIOLOGY OF EDUCATION

A comprehensive study of educational institutions in modern society.

2 lecture hours. 0.5 course. **Distance. Intersession.**

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#### 2172A - ADVERTISING AND SOCIETY

The social role of advertising and public relations in society. Special emphasis is given to advertising content, the mechanisms of persuasion, and controversies over advertising effects on human behavior and socialization.

2 lecture hours. 0.5 course. **Intersession.**

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#### 2205A/B - STATISTICS FOR SOCIOLOGY

An introduction to the techniques of statistical analysis used by sociologists, including descriptive statistics, the normal curve, hypothesis testing and various measures of association.

**Antirequisite(s):** Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Psychology 2850A/B, Psychology 2851A/B, Social Work 2207A/B, Statistical

Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B.

**Prerequisite(s):** At least 60% in 1.0 from Sociology courses at the 1000 level, or Social Work 1021A/B and 1022A/B. Note: Sociology 1050A/B cannot be used to fulfill this prerequisite. 3 lecture hours. Mandatory for students registered in Yr 2 of an Honors Specialization offered through the Dept. of Sociology. 0.5 course. **Intersession.**

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#### 2206A - RESEARCH METHODS IN SOCIOLOGY

An introduction to the research process and ethical dilemmas faced by sociologists, as well as a survey of the essential procedures used to collect sociological data, e.g. sampling, questionnaire design, and observational field research techniques.

**Antirequisite(s)** at Main campus: Social Work 2206A/B, Health Sciences 2801A/B, or Political Science 3324F/G.

**Antirequisite(s)** at Brescia, King's campus: Social Work 2206A/B or the former Social Work 2205, Health Sciences 2801A/B or the former Health Sciences 2800.

**Prerequisite(s):** At least 60% in 1.0 from Sociology courses at the 1000 level. Note: Sociology 1050A/B cannot be used to fulfill this prerequisite.

3 hours. Mandatory for students registered in Yr 2 of an Honors Specialization offered through the Dept. of Sociology. 0.5 course. **Intersession.**

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#### 2223A - POLICING, SECURITY, SURVEILLANCE

This introduction to policing provides the student with a sociological framework in which to examine important issues in both the history and development of policing, security and surveillance in North America.

**Prerequisite(s):** 1.0 from Sociology courses at the 1000 level. 3 lecture hours. 0.5 course. **Summer Day.**

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#### 2240E - SURVEY OF SOCIOLOGICAL THEORY

A survey of sociological theory from the historical roots of social science to the present.

**Antirequisite(s):** Sociology 2270A/B and Sociology 2271A/B.

**Prerequisite(s):** At least 60% in 1.0 from: Sociology 1020, Sociology 1021E, Sociology 1025A/B, Sociology 1026F/G, Sociology 1027A/B.

3 lecture hours.

Note for Main campus: Sociology 2240E or Sociology 2270A/B and Sociology 2271A/B are mandatory for students registered in Yr 2 of an Honors Specialization offered through the Dept. of Sociology. 1.0 course. **Distance.**

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#### 2247A - SOCIOLOGY OF HEALTH CARE

This course examines how health care in Canada is related to social processes and social structure. We will investigate how the health care system in Canada is organized to respond to health and illness. Various occupations within the health care division of labour will be studied. This will be followed by an examination of key institutions involved in the provision of health care, both public and private. Finally, the role of the state in the health care system and various strategies of health reform will be examined.

**Antirequisite(s):** Sociology 2245.

**Prerequisite(s):** 1.0 from: Sociology 1020, Sociology 1021E, Sociology 1025A/B, Sociology 1026F/G, Sociology 1027A/B. 3 lecture hours. 0.5 course. **Distance.**

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#### 2253A - ADMINISTRATION OF CRIMINAL JUSTICE

A sociological analysis of the criminal justice system in Canada (public involvement, police, courts, and correctional programs). The organization, structure and functioning of the criminal justice system are examined.

**Prerequisite(s):** 1.0 from Sociology courses at the 1000 level. 3 lecture hours. 0.5 course. **Summer Evening.**

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#### 2266A/B - AN INTRODUCTION TO CRIMINOLOGY

The sociological aspects of crime in Canada. The measurement patterns, causes and social explanations of criminal behavior will be examined.

**Prerequisite(s):** 1.0 from: Sociology 1020, Sociology 1021E, Sociology 1025A/B, Sociology 1026F/G, Sociology 1027A/B. 3 lecture hours. 0.5 course. **Distance. Intersession.**

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#### 3363F - SOCIOLOGY OF TERRORISM

A sociological examination of the construction, causes, manifestations, and consequences of terrorism. This course explores the discursive construction of "terrorism" from dominant and subaltern perspectives; analyzes the causes and manifestations of terrorist actions; and engages in a

comparison of the impact of responses to terrorism by the US and Canada.

**Prerequisite(s):** 1.0 from Sociology courses at the 1000 level and third or fourth year standing in a Sociology or Criminology module.

3 hours. 0.5 course. **Summer Evening.**

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#### 3379F - CRIME, PUNISHMENT, AND POPULAR CULTURE

This course critically examines how crime and punishment are represented in film, television, music, books, and other forms of popular culture. We investigate how these depictions shape - and reflect - our understandings of crime and impact criminal justice policy.

**Prerequisite(s):** 1.0 from Sociology courses at the 1000 level and Sociology 2266A/B.

3 hours. 0.5 course. **Intersession.**

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### SPEECH

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#### 2001 - THE MAJOR FORMS OF ORAL DISCOURSE

For effective communication of ideas: Public Address, with basic purposes; Group Discussion; Debate; Voice and Diction; Interpretative Reading.

3 hours. 1.0 course. **Intersession.**

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### STATISTICAL SCIENCES

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#### 1024A - INTRODUCTION TO STATISTICS

Statistical inference, experimental design, sampling design, confidence intervals and hypothesis tests for means and proportions, regression and correlation.

**Antirequisite(s):** All other courses or half courses in Introductory Statistics, except Statistical Sciences 1023A/B and Statistical Sciences 2037A/B.

**Prerequisite(s):** Grade 12U Mathematics or Mathematics 0110A/B or Mathematics 1229A/B.

Offered in two formats: 3 lecture hours, or weekly online lectures and 2 in-class lab hours (Main); 3 lecture hours (Huron, King's), 0.5 course. **Distance.**

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#### 2035 - STATISTICS FOR BUSINESS AND SOCIAL SCIENCES

Descriptive statistics and graphs, probability and distributions. Sampling, hypothesis testing, and confidence intervals. Experimental design and analysis of variance. Regression and correlation, including multiple regression. Applications emphasized. This course cannot be taken for credit in any module in Statistics, Actuarial Science, or Financial Modelling.

**Antirequisite(s):** All other courses in Introductory Statistics (except Statistical Sciences 1023A/B and Statistical Sciences 1024A/B); Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Psychology 2850A/B, Psychology 2851A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205.

**Prerequisite(s):** One full course or equivalent from: Applied Mathematics 1201A/B, Applied Mathematics 1413, Statistical Sciences 1024A/B, Calculus 1000A/B or the former Calculus 1100A/B or Calculus 1500A/B, Calculus 1301A/B or Calculus 1501A/B, Mathematics 1600A/B or the former Linear Algebra 1600A/B, Mathematics 1225A/B, Mathematics 1228A/B, Mathematics 1229A/B.

3 lecture hours. 1.0 course. **Distance.**

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#### 2141A - APPLIED PROBABILITY AND STATISTICS FOR ENGINEERS

An introduction to statistics with emphasis on the applied probability models used in Electrical and Civil Engineering and elsewhere. Topics covered include samples, probability, probability distributions, estimation (including comparison of means), correlation and regression. Cannot be taken for credit in any 3-year or honors program or in any module in Statistics, Actuarial Science, or Financial Modelling.

**Antirequisite(s):** All other courses in Introductory Statistics (except Statistical Sciences 1023A/B, 1024A/B); Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Psychology 2850A/B, Psychology 2851A/B, Social

Work 2207A/B, Sociology 2205A/B, Statistical Sciences 2035, Statistical Sciences 2143A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205.

**Prerequisite(s):** Applied Mathematics 1413, or 0.5 course from Calculus 1000A/B, the former Calculus 1100A/B or Calculus 1500A/B plus 0.5 course from either Calculus 1301A/B or Calculus 1501A/B.

3 lecture hours, 1 tutorial hour. 0.5 course. **Summer Evening.**

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### 2244B - STATISTICS FOR SCIENCE

An introductory course in the application of statistical methods, intended for honors students in departments other than Statistical and Actuarial Sciences, Applied Mathematics, Mathematics, or students in the Faculty of Engineering. Topics include sampling, confidence intervals, analysis of variance, regression and correlation. Cannot be taken for credit in any module in Statistics, Actuarial Science, or Financial Modelling.

**Antirequisite(s):** All other courses in Introductory Statistics (except Statistical Sciences 1023A/B, Statistical Sciences 1024A/B); Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Psychology 2850A/B, Psychology 2851A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205.

**Prerequisite(s):** A full mathematics course, or equivalent, numbered 1000 or above. Statistical Sciences 1024A/B can be used to meet 0.5 of the 1.0 mathematics course requirement. 2 lecture hours, 3 lab hours. 0.5 course. **Summer Evening.**

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## THANATOLOGY

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### 2231A - BEREAVEMENT AND GRIEF: OVERVIEW AND INTERVENTIONS

A study of bereavement and grief, with a review of topics such as attachment theory, the normal course of grief, current research and trends in bereavement theory and interventions, factors influencing the grief response, and specific types of loss and specific populations and grief.

3 lecture hours. 0.5 course. **Distance.**

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### 2232A - CHILDREN AND DEATH: THEORY AND INTERVENTIONS

An examination of children's understanding of death, the dying child, children and funerals, specific ages and interventions for the grieving child, the family system and death, and death and trauma in children.

3 lecture hours. 0.5 course. **Distance.**

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### 2233A - SUICIDE: THEORY AND INTERVENTIONS

A study of suicide with emphasis on North American culture. Topics will include the epidemiology of suicide and current research on suicide, suicide across the life span, theories about suicide, suicide prevention, intervention, and grief after a suicide.

3 lecture hours. 0.5 course. **Distance. Summer Evening.**

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### 3323A - GRIEF AND TRAUMA

An exploration of the intersection between grief, loss, and trauma in a variety of contexts. Theories of grief and trauma intervention will be applied to the role of first responders, death notification, traumatic response teams, unique features of sudden loss, and implications for treatment of survivors in various populations, as well as professional caregiver issues.

3 lecture hours. 0.5 course. **Distance.**

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### 3355A - ETHICAL ISSUES IN DEATH, DYING AND BEREAVEMENT

Overview of ethical issues pertinent to end of life and bereavement aftercare. Exploration of various theoretical frameworks and specific relevant topics such as euthanasia, assisted suicide, informed choice and decision-making capacity, patient rights, research ethics, medical futility, resource allocation, and quality of life issues.

3 lecture hours. 0.5 course. **Distance.**

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### 3360A - PRACTICUM IN THANATOLOGY

Students will be exposed to various care providers in the community that work with individuals and families facing death and experiencing grief after a loss. Focus will be on integration of theoretical knowledge with clinical application. Students with a clinical focus and background will be given priority.

**Prerequisite(s):** Thanatology 2200, Thanatology 2230A/B, Thanatology 2231A/B. Class meets for 8 hours each Monday for the first seven weeks of term.

Practicum is 45 additional hours in placement setting. 0.5 course. **Summer Evening.**

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## THEATRE STUDIES

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### 3206G - SHAKESPEARE AND PERFORMANCE

An historical, theoretical, and analytical introduction to Shakespeare's plays in performance. This course focuses on specific problems related to past productions and to those in the current Stratford Festival season. Class meets for three hours a day, five afternoons a week, and includes attendance at Shakespeare productions. Summer Day only.

**Antirequisite(s):** the former English 2042F/G.

0.5 course. **Summer Day.**

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### 3207G - VOICE AND TEXT IN THE THEATRE

A workshop in which students will experience, with simple, practical exercises, the ways in which Festival actors develop and maintain their voices and explore various aspects of the text they are performing. The class meets for three hours, four mornings a week. Taught by Stratford Festival staff. Summer Day only.

**Antirequisite(s):** the former English 2043F/G.

**Prerequisite(s):** English 2041F/G or equivalent.

**Corequisite(s):** Theatre Studies 3206F/G.

0.5 course. **Summer Day.**

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## WOMEN'S STUDIES

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### 1023F - GAY LIFE AND CULTURE IN THE 21ST CENTURY: BEYOND ADAM AND STEVE

Judging by the media, you would think the only issue in gay life today is same-sex marriage. This course will examine many of the other issues affecting gay men, such as sexual politics and practices, body image, health, consumer culture, social media, television and film, and intersections with race and class.

3 hours. 0.5 course. **Distance.**

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### 2203F - FUTURE SEX: SEX AND SCIENCE FICTION

Beginning with cutting edge contemporary practices, from sex reassignment surgery to virtual reality, this course will look at the ways in which we imagine the future of gender and sexuality. The focus will be primarily on science fiction texts that provide interesting alternatives to present-day ideas about sex and sexuality.

3 hours. 0.5 course. **Distance.**

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### 2244 - WOMEN AND HEALTH

This course provides an overview of historical, social, economic, political and biological influences on women's health. Using a feminist perspective, both experiential and theoretically based knowledge will be explored through the process of critical reflection.

**Antirequisite(s):** The former Women's Studies 2154.

3 hours. 1.0 course. **Distance.**

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### 4455E - HONORS THESIS IN WOMEN'S STUDIES

Individual instruction in the selection of a topic, the preparation of materials, and the writing of a thesis in Women's Studies.

**Prerequisite(s):** Women's Studies 2220E or permission of the Department. Restricted to fourth-year Honors Women's Studies students.

3 hours. Limited enrollment. 1.0 course. **Intersession.**

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### 4459F - SPECIAL TOPICS IN WOMEN'S STUDIES

Topics of current interest in Women's Studies. Consult the Department of Women's Studies and Feminist Research for current offerings.

**Prerequisite(s):** Women's Studies 2220E, or permission of the Department.

3 hours. 0.5 course. **Intersession.**

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## WRITING

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### 1002F - INTRODUCTION TO WRITING IN ENGLISH

This course is an introduction to academic writing for first-year English as a Second Language students in all disciplines. Topics range from grammar, sentence structure, and paragraphing to the principles of scholarly argument and research.

**Antirequisite(s):** The former Writing 0002F/G, Writing 1020F/G, Writing 1021F/G, Writing 1022F/G, Writing 2101F/G. 3 lecture hours. 0.5 course. **Intersession. Summer Day.**

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### 1020F/G - WRITING: INTRODUCTION TO UNIVERSITY ESSAY WRITING

A practical introduction to the basics of successful academic writing, designed for first-year students in all disciplines. Topics will range from grammar, sentence structure, and paragraphing to the principles of scholarly argument and research.

**Antirequisite(s):** Writing 0002F/G, Writing 1002F/G, Writing 1021F/G, Writing 1022F/G, Writing 2101F/G.

3 lecture/tutorial hours. [This course will not serve as a prerequisite for any area of concentration.] 0.5 course.

**Summer Evening. Intersession.**

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### 2130F - BUILDING BETTER (COMMUNICATION) BRIDGES: RHETORIC & PROFESSIONAL COMMUNICATION FOR ENGINEERS

This course introduces students to rhetorical principles and the practices of written, oral, and visual communication in professional engineering contexts. Students will learn strategies for drafting and designing technical and academic documents and for approaching the editing and revision of those documents.

**Antirequisite(s):** The former Engineering Science 2211F/G.

**Prerequisite(s):** Engineering Science 1050.

3 hours. 0.5 course. **Intersession.**

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### 4998F - RE-VISIONING SELF: CREATING YOUR PROFESSIONAL PORTFOLIO

In this half-course students will write new documents and revise documents written in previous Writing classes to include in a portfolio of their work. The portfolio will be both online and printed. Class time will be devoted to a combination of lecture and writing workshop.

**Antirequisite(s):** The former Writing 2299F/G.

**Prerequisite(s):** Two or more Writing courses numbered 2200 and above, or permission of the Department (consult the Undergraduate Program Director, Writing).

3 lecture hours 0.5 course. **Distance.**